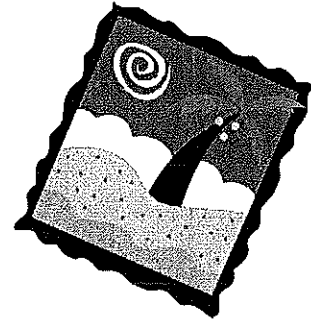


Singapore Summer Shape-Up

Level 4 Review

Singapore Summer Shape Ups: Level 4

Week 1: Lesson 1



1. Write the following in *standard form*.

a. Seven thousand, five-hundred twelve

b. Fifty-seven and thirty-three hundredths

c. Eight hundred and eight tenths

d. Three thousand, seven hundred thirty six

2. What is the value of the underlined digit?

a. 962 _____

b. 4.32 _____

c. 17,980 _____

Singapore Summer Shape Ups: Level 4

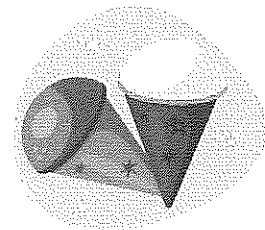
3. Use all the following digits to create the indicated numbers.

5 8 2 7

- Greatest number possible
- Least number possible
- Greatest even number possible
- Least odd number possible

4. Use model drawing to solve. VIDEO: Model Drawing – Times as many

- Takumi bought 32 blue snow-cones. Mary Kate bought 4 times as many snow-cones as Takumi. How many snow-cones did Takumi and Mary Kate buy altogether?



Singapore Summer Shape Ups: Level 4

- b. Grant and Elliott opened a lemonade stand. On Monday they sold five times as many cups of lemonade as they did on Tuesday. If they sold 23 cups on Tuesday, how many more cups did they sell on Monday than Tuesday?



5. Use Mental Math to solve.

VIDEO: Mental Math: Addition/Subtraction

a. $49 + 32 =$ _____

b. $187 + 20 =$ _____

c. $5400 \div 6 =$ _____

d. $561 - 99 =$ _____

Singapore Summer Shape Ups: Level 4

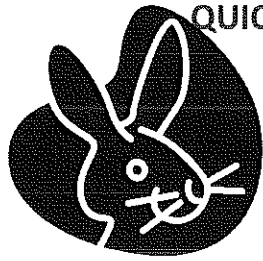
6. Use the following information to complete the chart below.

At a summer camp of 150 boys and 152 girls, 89 boys like watermelon and 92 girls do not like watermelon.

	Number of Girls	Number of Boys	Total
Like Watermelon	<input type="text"/>	89	<input type="text"/>
Do NOT Like Watermelon	92	<input type="text"/>	<input type="text"/>
Total	152	<input type="text"/>	<input type="text"/>

Singapore Summer Shape Ups: Level 4

Week 1: Lesson 2



QUICK FACTS! How long does it take you to do all 20 facts?

Video: Strategies for Learning Multiplication Facts

Get someone to time you and then write your time in the blank.

Time: _____

a. $5 \times 4 =$ _____

b. $7 \times$ _____ $= 21$

c. $9 \times 2 =$ _____

d. _____ $\times 6 = 42$

e. $12 \times 8 =$ _____

f. $25 = 5 \times$ _____

g. $3 \times 2 =$ _____

h. $7 \times 7 =$ _____

i. $40 = 8 \times$ _____

j. $6 \times 9 =$ _____

k. _____ $= 3 \times 3$

l. $11 \times$ _____ $= 88$

m. $4 \times 4 =$ _____

n. $12 =$ _____ $\times 3$

o. $2 \times 10 =$ _____

p. $8 \times$ _____ $= 56$

q. $2 \times 5 =$ _____

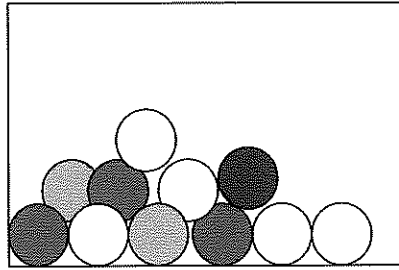
r. _____ $\times 6 = 18$

s. $4 \times$ _____ $= 24$

t. $60 =$ _____ $\times 12$

Singapore Summer Shape Ups: Level 4

1. Corinne buys a gumball from the machine.



- a. Which color will she **most likely** get?
- b. Which color will she **least likely** get?
- c. Is it **certain** or **impossible** that Corinne will get an orange gumball?

2. Add or subtract

VIDEOS: Adding & Subtracting with Trading

a.
$$\begin{array}{r} 2856 \\ + 108 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 8762 \\ + 5429 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 12 \\ - 1.98 \\ \hline \end{array}$$

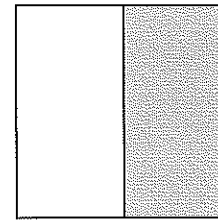
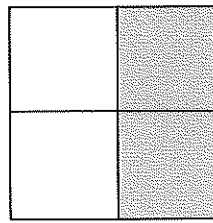
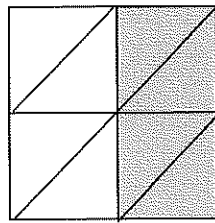
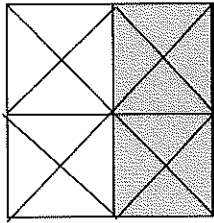
d.
$$\begin{array}{r} 3647 \\ - 1599 \\ \hline \end{array}$$

Singapore Summer Shape Ups: Level 4

3. A crate of oranges weighs 38 lbs. A crate of apples weighs 12 lbs more. A crate of grapes weighs 3 times more than the total weight of the apples and the oranges. What does the crate of grapes weigh? VIDEO: Model Drawing – Times as Many
4. Ethan wants to see a movie that starts at 2:05pm. If the movie lasts 125 minutes, what time will the movie end?
5. Fill in the blanks.
- _____ is 20 more than 1280.
 - 8523 is 100 more than _____.
 - The difference between 430 and 1000 is _____.
 - The sum of 160 and 240 is _____.
 - _____ is 1000 less than 6252.

Singapore Summer Shape Ups: Level 4

6. Write in the missing numerators or denominators.
Video: Equivalent Fractions



$$\frac{\square}{16} = \frac{4}{\square} = \frac{\square}{4} = \frac{1}{2}$$

Singapore Summer Shape Ups: Level 4

Week 1: Lesson 3

1. Madeleine went shopping for 55 minutes. If she finished shopping at 4:10pm, what time did she start?



2. Add or subtract.

(Handy Measurement Conversions – website: Helpful Videos page)

a. $3 \text{ lb } 14 \text{ oz} + 10 \text{ oz} =$ _____ lb _____ oz

b. $4 \text{ ft } 9 \text{ in.} + 8 \text{ ft } 4 \text{ in.} =$ _____ ft _____ in.

c. $21 \text{ gal} - 10 \text{ gal } 2 \text{ qt} =$ _____ gal _____ qt

d. $1 \text{ mi} - 5000 \text{ ft} =$ _____ mi _____ ft

3. Fill in the blanks. Video: Mental Math – Addition/Subtraction

a. What number is 29 less than 57? _____

b. What number is 99 more than 108? _____

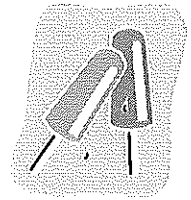
c. What number is 55 less than 100? _____

d. What number is twice as much as 150? _____

Singapore Summer Shape Ups: Level 4

4. Use model drawing to solve.

- a. There are 120 popsicles in a box. If 6 popsicles melted and the rest were re-packed into 3 boxes, how many popsicles are in each box?



- b. The total weight of 1 bag of chocolate candies and 2 bags of fruit candies is 3 lb 12 oz. If the weight of each of the bags of fruit candies is 8 oz, find the weight of the chocolate candies.

5. Add or Subtract.

a. $\frac{4}{9} - \frac{2}{9} =$

b. $\frac{2}{10} + \frac{7}{10} =$

c. $1 - \frac{3}{7} =$

d. $\frac{6}{8} - \frac{3}{8} =$

Singapore Summer Shape Ups: Level 4

Week 2: Lesson 1

1. Arrange the fractions from least to greatest.

VIDEO: Comparing Fractions

a. $\frac{4}{5}; \frac{1}{5}; \frac{3}{5}; \frac{2}{5}$ _____

b. $1; \frac{1}{3}; \frac{1}{9}; \frac{1}{2}$ _____

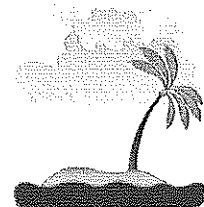
c. $\frac{2}{5}; \frac{2}{3}; \frac{2}{10}; \frac{2}{7}$ _____

d. $\frac{11}{19}; \frac{6}{19}; \frac{7}{19}; \frac{12}{19}$ _____

1. Multiply or Divide VIDEOS: Division

a. $417 \times 8 =$

b. $2 \times 392 =$



Singapore Summer Shape Ups: Level 4

c. $801 \div 7 =$

d. $603 \div 9 =$

2. A bucket of seashells weighs 2 lbs 5 oz. If the bucket weighs 6 oz, how much do the seashells weigh?



Singapore Summer Shape Ups: Level 4

3. Mental Math

VIDEO: Mental Math – Addition/Subtraction; Multiplication

a. $4200 \div 7 =$ _____

b. $998 + 137 =$ _____

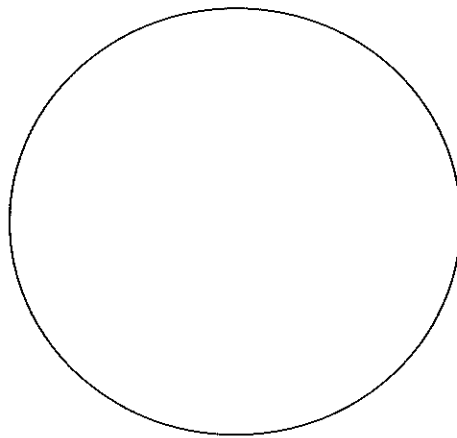
c. $210 \div 3 =$ _____

d. $90 \times 8 =$ _____

e. $43 \times 3 =$ _____

f. $35 + 48 =$ _____

4. Draw the time that is 1hr 20 minutes past 10:45pm.



Singapore Summer Shape Ups: Level 4

5. Convert. Handy Conversions – Helpful Videos Page

a. 1 kg = _____ g

b. 8000ml = _____ liters

c. 2 gal = _____ qts

d. 12 c = _____ pts

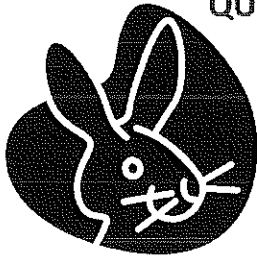
e. 9 ft = _____ yd

f. 4 ft = _____ in.



Singapore Summer Shape Ups: Level 4

Week 2: Lesson 2



QUICK FACTS! How long does it take you to do all 20 facts?

Video: Strategies for Learning Multiplication Facts

Get someone to time you and then write your time in the blank.

Time: _____

a. $9 \times 9 =$ _____

k. $0 \times 7 =$ _____

b. $1 \times 3 =$ _____

l. _____ $= 12 \times 12$

c. _____ $\times 12 = 36$

m. $35 = 7 \times$ _____

d. $10 \times 9 =$ _____

n. $3 \times 8 =$ _____

e. $4 \times 8 =$ _____

o. $12 \times 2 =$ _____

f. $56 =$ _____ $\times 7$

p. $9 \times$ _____ $= 36$

g. $2 \times$ _____ $= 4$

q. _____ $= 6 \times 7$

h. $15 =$ _____ $\times 3$

r. $4 \times 6 =$ _____

i. _____ $= 4 \times 7$

s. $8 \times$ _____ $= 64$

j. $6 \times 6 =$ _____

t. $10 \times 11 =$ _____

How did you do?

If you want more practice, re-print this page and try again!

Singapore Summer Shape Ups: Level 4

1. Add or Subtract

VIDEOS: Adding with Trading/Subtracting with Trading

a. $\$25.08 - \$8.15 =$ _____

b. $\$17.20 + \$15.30 =$ _____

c. $\$7.50 - \$0.25 =$ _____

d. $\$22.00 - \$6.50 =$ _____

2. Solve.

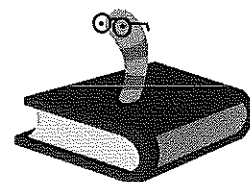
VIDEO: Model Drawing – Times as Many

- a. Jessica went to the beach for vacation. She noticed that there were 6 times as many children on the beach as adults. If there were 140 people in all on the beach, how many were children?

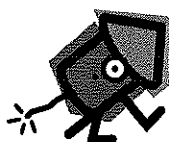


Singapore Summer Shape Ups: Level 4

- b. Lauren read her summer reading book for 50 minutes every day for a week. How much time did she spend reading altogether? Express your answer in hours and minutes.



- c. Six children went to the fireworks stand. They paid \$100 and got \$4 change. If they shared the cost of the fireworks equally, how much did each person pay?



Singapore Summer Shape Ups: Level 4

3. Write $<$, $>$, or $=$ in the blank. Explain how you know.

a. $\frac{2}{7}$ _____ $\frac{5}{8}$

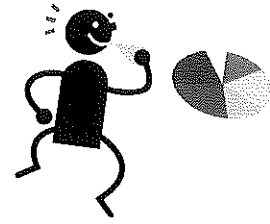
b. $\frac{1}{8}$ _____ $\frac{1}{12}$

c. $\frac{3}{9}$ _____ $\frac{7}{9}$

d. $\frac{2}{5}$ _____ $\frac{2}{10}$

e. $\frac{10}{10}$ _____ $\frac{3}{3}$

f. $\frac{7}{8}$ _____ $\frac{9}{9}$



Singapore Summer Shape Ups: Level 4

Week 2: Lesson 3

1. Divide.

VIDEO: Division

a. $8 \overline{)451}$

b. $6 \overline{)7315}$

c. $3 \overline{)822}$

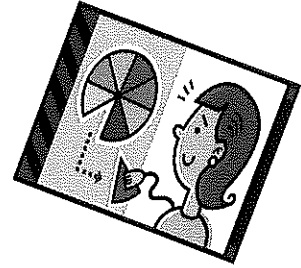
Singapore Summer Shape Ups: Level 4

2. Write the missing numerator or denominator for each.

VIDEO: Equivalent Fractions

a. $\frac{1}{3} = \frac{\quad}{6}$

b. $\frac{2}{3} = \frac{6}{\quad}$



c. $\frac{5}{10} = \frac{1}{\quad}$

d. $\frac{7}{7} = \frac{15}{\quad}$

3. Draw an example of the following:

a. intersecting lines

b. parallel lines

Singapore Summer Shape Ups: Level 4

4. Now look around and find some real world examples and draw them below.

a. Intersecting lines

b. parallel lines

5. Use a stopwatch. Measure how long it takes you to:

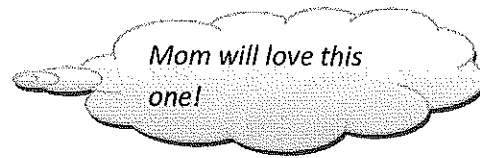
a. Write the words: **I LOVE SUMMER!**

_____seconds

b. Jump 20 times

_____seconds

c. Make your bed



_____seconds

d. Draw 5 circles

_____seconds

Singapore Summer Shape Ups: Level 4

6. Complete the following number patterns.

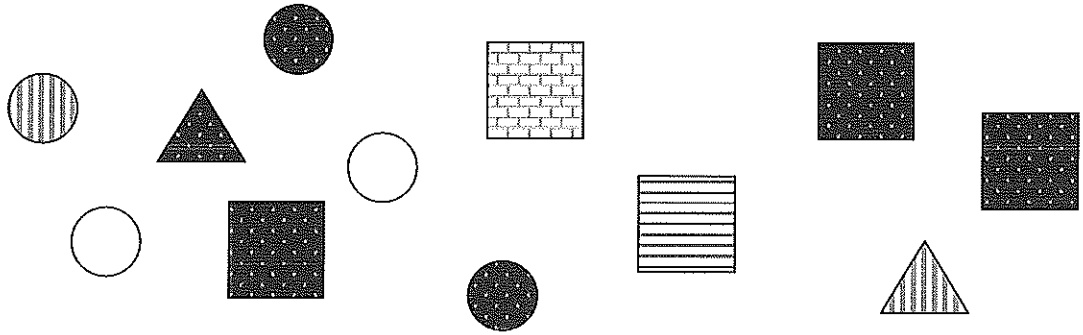
a. 8512, _____, 8312, 8212, 8112, _____, _____

b. _____, _____, 1010, 1020, 1030, _____, _____

Singapore Summer Shape Ups: Level 4

Week 3: Lesson 1

1. Look at the shapes below to answer the questions. Give your answers in simplest form.



- a. What fraction of the shapes are blue (have dots)?
Explain how you know.
- b. What fraction of the shapes are square?
Explain how you know.
- c. What fraction of the shapes are blue (have dots) and square?
Explain how you know.

Singapore Summer Shape Ups: Level 4

2. Mental Math: VIDEO: Mental Math – Addition/Subtraction

a. $5474 + 7 =$ _____

b. $1913 - 8 =$ _____

c. $92 - 47 =$ _____

d. $2110 + 4269 =$ _____

e. $70 - 59 =$ _____

3. Use model drawing to solve.

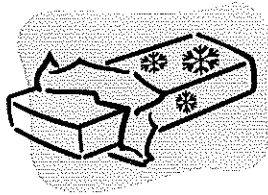
- a. The difference between two numbers is 6.4. If the smaller number is 7.66, what is the larger number?

VIDEO: Model Drawing – Find 2 Numbers



Singapore Summer Shape Ups: Level 4

- b. The cost of a box of ice cream sandwiches is \$3.09. A box of popsicles costs \$1.20 less than the ice cream sandwiches. If Morgan buys one box of ice cream sandwiches and 1 box of popsicles, how much will she spend? If she pays with a ten dollar bill, how much change will she receive?



4. Estimate the value of the following by rounding each number to the nearest hundred. (Remember! Round first, then add/subtract the estimates.)
- a. $485 + 320$ is about _____
- b. $512 + 521$ is about _____
- c. $697 - 485$ is about _____
- d. $1,999 - 702$ is about _____

Singapore Summer Shape Ups: Level 4

5. Divide. VIDEO: Division

a. $9 \overline{)947}$

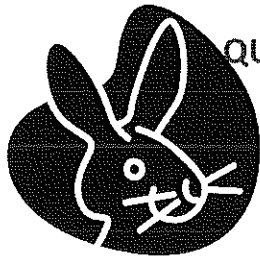
b. $6 \overline{)2,424}$

c. $3 \overline{)207}$

d. $5 \overline{)1,328}$

Singapore Summer Shape Ups: Level 4

Week 3: Lesson 2



QUICK FACTS! How long does it take you to do all 20 facts?

Get someone to time you and then write your time in the blank.

TIME: _____

a. _____ x 7 = 0

k. 2 x _____ = 20

b. 4 x 5 = _____

l. 7 x 8 = _____

c. 9 x _____ = 72

m. 54 = 6 x _____

d. 12 = 3 x _____

n. 7 x 5 = _____

e. 6 x 8 = _____

o. 12 x 7 = _____

f. 4 x _____ = 8

p. 9 = 3 x _____

g. 30 = _____ x 5

q. 4 x _____ = 28

h. 2 x 12 = _____

r. 6 x 6 = _____

i. 7 x 9 = _____

s. 24 = 4 x _____

j. 3 x 9 = _____

t. 10 x 10 = _____

Is your time improving???

If you want more practice, re-print the Quick Facts from other lessons



Singapore Summer Shape Ups: Level 4

1. Write $>$, $<$, or $=$. For these problems, try to see the numbers in parts. You shouldn't need to use much computation 😊

a. $6 \times 30 \times 31$ _____ 31×180

b. $2247 + 2131$ _____ 800×5

c. 59.68 _____ 421.1

d. 6×0 _____ $0 \div 12$

2. Multiply. VIDEO: Multiplying 2 digit numbers

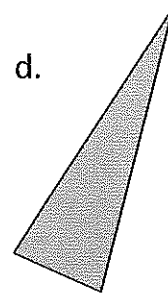
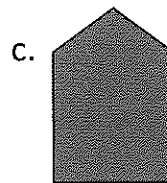
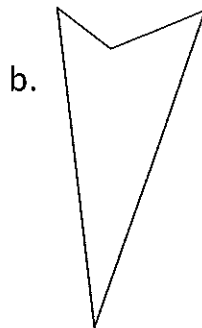
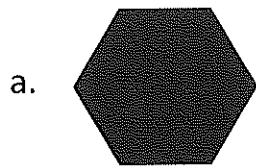
a.
$$\begin{array}{r} 3812 \\ \times 16 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 408 \\ \times 23 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 895 \\ \times 59 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 257 \\ \times 77 \\ \hline \end{array}$$

3. Name the following polygons.



Singapore Summer Shape Ups: Level 4

4. Solve with model drawing.
- a. The ice cream man had 566 ice cream treats in his truck. 14 of them melted. He packed the rest into 6 coolers. How many ice cream treats were in each cooler?
- b. There were 2,400 ants at a picnic. There were 8 times as many ants as mosquitoes. How many mosquitoes were at the picnic? VIDEO: Model drawing – Times as Many

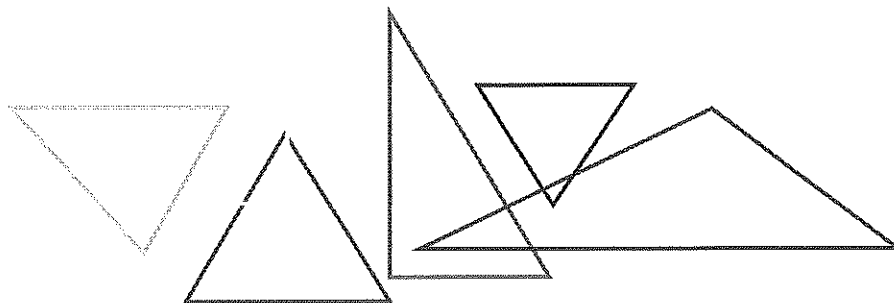


Singapore Summer Shape Ups: Level 4

- c. Mya gave 5 candies to each of the girls in her cabin at camp. She had fewer than 5 candies left for herself. If she had 129 candies, how many girls are in her cabin?

5. Draw a triangle around True or False.

- a. A triangle can never have parallel sides . True False
- b. A right triangle has 2 right angles True False
- c. Scalene triangles have 2 equal sides True False
- d. An equilateral triangle is also an isosceles triangle. True False

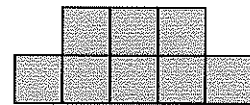
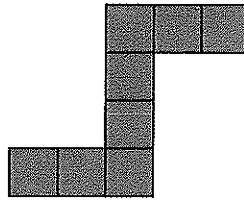
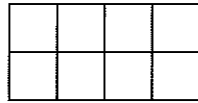


Singapore Summer Shape Ups: Level 4

Week 3: Lesson 3

1. The _____ is the distance around a figure.

2. These figures are made up of 1 in. squares.



a. Do they have the same perimeter? How do you know?

b. Do they have the same area? How do you know?

3. How long is it....

a. From 9:15am to 2:20pm

b. From 11:25pm to 12:10am

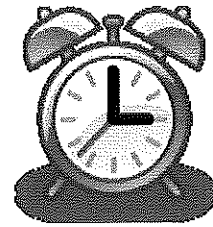
c. From 1:20pm to 9:15pm

Singapore Summer Shape Ups: Level 4

4. Julia took 1hr 42 min to watch a movie and 2hr 20min to take a nap.

a. How long did it take for Julia to do both?

b. How much longer was her nap than the movie?



5. Convert.

a. 1 year 8 months = _____ months

b. 2 hours 19 minutes = _____ minutes

c. 9 weeks 4 days = _____ days

d. 8 meters 95cm = _____ centimeters

e. 8 feet = _____ yds _____ feet

f. 28 inches = _____ ft _____ in.

g. 35 oz = _____ lb _____ oz

h. 546 ml = _____ liters _____ ml

Singapore Summer Shape Ups: Level 4

6. Add or subtract.

VIDEOS: Adding with Trading/Subtraction with Trading

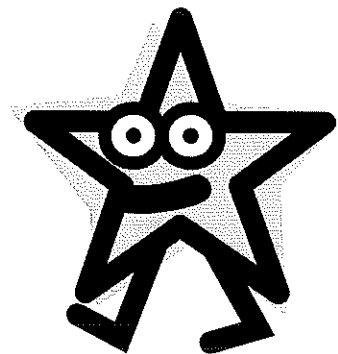
$$\begin{array}{r} \text{a. } 19.55 \\ + 3.57 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b. } 6790 \\ - 5279 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c. } 7037 \\ - 6816 \\ \hline \end{array}$$

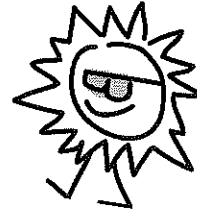
$$\begin{array}{r} \text{d. } 4635 \\ + 184 \\ \hline \end{array}$$

Great Job!
You're Halfway
There!



Singapore Summer Shape Ups: Level 4

Week 4: Lesson 1



1. Find the value of:

a. $\$35.15 + \$0.85 =$ _____

b. $\$12.95 + \$0.45 =$ _____

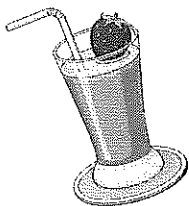
c. $\$26.60 + \$10.40 =$ _____

d. $\$48.92 + \$38.18 =$ _____

e. $\$104.56 + \$94.99 =$ _____

2. Andrew and Josh bought the same size smoothie. Andrew drank $\frac{2}{8}$ of his smoothie. Josh drank $\frac{1}{3}$ of his smoothie. Who has more of his smoothie left? Explain how you know.

VIDEO: Comparing Fractions



Singapore Summer Shape Ups: Level 4

3. Solve.

a. $\frac{1}{2}$ of 14 = _____

b. $\frac{1}{3}$ of 15 = _____

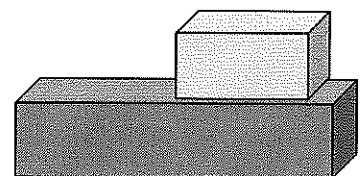
c. $1 - \frac{11}{14} =$ _____

d. $\frac{8}{15} +$ _____ $= 1$

e. $\frac{1}{4}$ of \$1.00 = _____

f. $\frac{6}{10} + \frac{3}{10} =$ _____

4. Box A weighs 7 times as much as Box B. If Box B weighs 4 oz, find the difference in the weights of Box A and B. Express your answer in pounds and ounces.



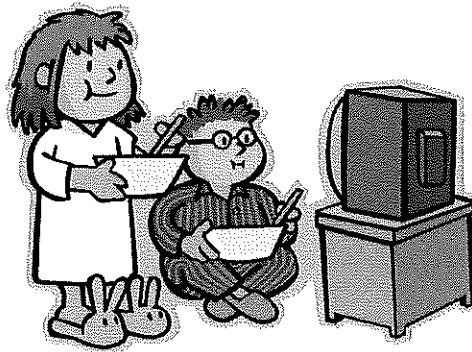
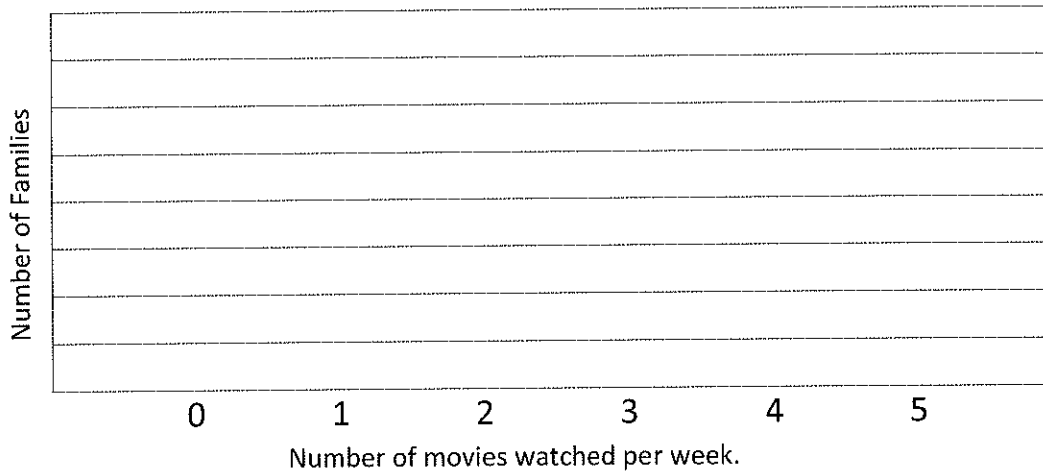
Singapore Summer Shape Ups: Level 4

5. Tyren did a survey of 20 families in his neighborhood to find the number of movies they watch each week. He wrote his results as shown in the chart. Create a tally chart from the data and then complete the line plot.

of movies per week

1	5	2	0	3
4	1	2	2	2
1	0	5	3	3
2	3	2	1	1

# of movies/week	Tally



Singapore Summer Shape Ups: Level 4

Week 4: Lesson 2



QUICK FACTS! How long does it take you to do all 20 facts? Get someone to time you and then write your time in the blank.

TIME: _____

a. $45 \div 9 =$ _____

k. $36 \div$ _____ $= 9$

b. $6 \times 5 =$ _____

l. $7 \times 7 =$ _____

c. $4 \times$ _____ $= 16$

m. $8 \times 6 =$ _____

d. $63 \div 7 =$ _____

n. $28 \div 4 =$ _____

e. $3 \times 6 =$ _____

o. $8 \times 1 =$ _____

f. $30 =$ _____ $\times 3$

p. $9 \div 1 =$ _____

g. $4 \div 2 =$ _____

q. _____ $\div 6 = 8$

h. $8 \times$ _____ $= 64$

r. $42 =$ _____ $\times 6$

i. $72 \div 8 =$ _____

s. $24 =$ _____ $\times 8$

j. $40 =$ _____ $\times 8$

t. _____ $\div 5 = 3$

You're doing great! Keep practicing!
Remember! If you'd like more practice, reprint the quick facts from other lessons.

Singapore Summer Shape Ups: Level 4

1. Write the number of the unit in the blank next to the object it would most likely be used to measure.

- | | | |
|---|-------|----------------|
| a. Length of a pool | _____ | 1. Grams |
| b. Weight of a tomato | _____ | 2. Liters |
| c. Capacity of a coffee cup | _____ | 3. Meters |
| d. Distance from Baton Rouge to New Orleans | _____ | 4. Milliliters |
| e. Capacity of a bucket | _____ | 5. Kilometers |
| f. Length of a butterfly | _____ | 6. Centimeters |

2. Divide. VIDEO: Division

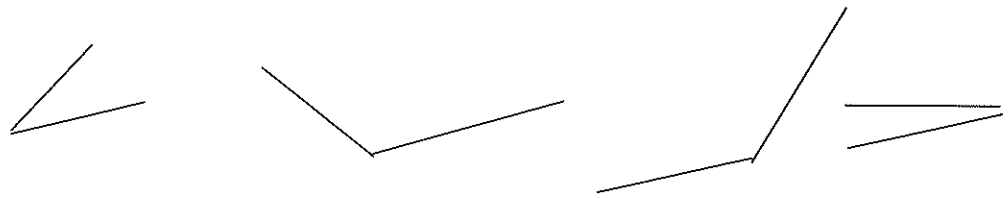
a. $3 \overline{)742}$

b. $8 \overline{)720}$

c. $4 \overline{)426}$

Singapore Summer Shape Ups: Level 4

3. Circle the angles that are greater than a right angle. (Remember a right angle = 90°) What are these types of angles called?



4. Fill in the missing numerator or denominator.

Video: Equivalent Fractions

a. $\frac{1}{3} = \frac{2}{\quad}$

b. $\frac{3}{4} = \frac{\quad}{12}$

c. $\frac{2}{10} = \frac{1}{\quad}$

d. $\frac{4}{6} = \frac{\quad}{3}$

e. $\frac{15}{15} = \frac{7}{\quad}$

f. $\frac{6}{12} = \frac{\quad}{8}$

5. Ajit, Austin and Adele shared a candy bar. Ajit ate $\frac{2}{5}$ of the candy bar. Austin ate $\frac{2}{10}$ of the candy bar. What fraction of the candy bar did Adele eat?

Singapore Summer Shape Ups: Level 4

Week 4: Lesson 3

1. Fill in the blanks

a. $460 + 80 = 500 + \underline{\hspace{2cm}}$

b. $\frac{3}{7} + \underline{\hspace{2cm}} = \frac{5}{7}$

c. $8 \times 4 = 22 + \underline{\hspace{2cm}}$

d. $2800 + 100 = \underline{\hspace{2cm}} - 100$

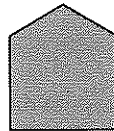
e. $\frac{2}{8} + \frac{5}{8} = 1 - \underline{\hspace{2cm}}$

2. An equilateral triangle has a 6 cm side. What is its perimeter?

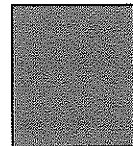
3. Gregory's house is 2 km from the pool. Jackson's house is 950m from the pool. How far is it from Gregory's house to Jackson's house?



Gregory's House



Jackson's House



pool

Singapore Summer Shape Ups: Level 4

4. Convert.

a. 10 ft = _____ in.

e. 12 cups = _____ qt

b. 3 yds = _____ ft
gal

f. 6 pts = _____

c. 2 gal = _____ qt

g. 4pts 1 c = _____ c

d. 3 ft 8 in. = _____ in.

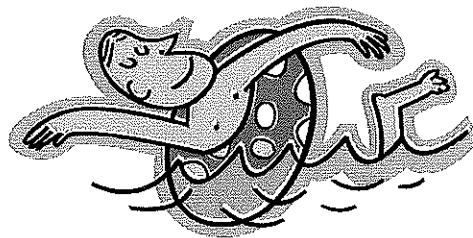
h. 2 mi = _____ ft

4. Find....

a. $\frac{3}{4}$ of 20 = _____

b. $\frac{3}{4}$ of 8 = _____

c. $\frac{3}{4}$ of 12 = _____



Singapore Summer Shape Ups: Level 4

- c. On 4th of July weekend, Brennan and Owen popped firecrackers. They popped a total of 1360 firecrackers on Friday and Saturday. They popped 600 on Friday and 1190 on Sunday. How many more did they pop on Sunday than Saturday? How many did they pop altogether on all 3 days?



2. A rectangular swimming pool has a width of 12 feet and a length of 18 ft. What is the perimeter of the pool?
3. If a square pool has the same perimeter as the pool in question 2, how long are its sides?

Singapore Summer Shape Ups: Level 4

4. Arrange the numbers in increasing order.

a. 0.21, 0.201, 2.01, 0.021

b. 6.7, 0.627, 0.72, 2.57

c. 5.036, 5.065, 5.056, 5.067

5. Express each decimal as a fraction in simplest form.

a. $0.6 =$ _____

c. $0.04 =$ _____

b. $0.37 =$ _____

d. $1.2 =$ _____

6. Express each fraction as a decimal.

a. $\frac{4}{20} =$ _____

c. $\frac{7}{100} =$ _____

b. $2\frac{13}{25} =$ _____

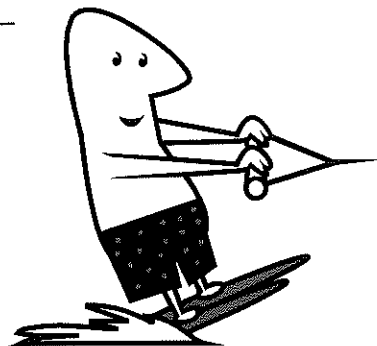
d. $\frac{3}{5} =$ _____

7. Write each of the following as a decimal.

a. $4 + \frac{3}{10} + \frac{4}{1000} =$ _____

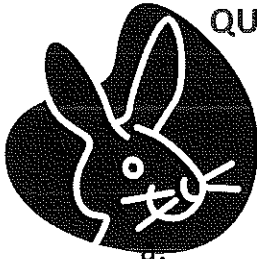
b. $16 + \frac{78}{100} =$ _____

c. $1\frac{6}{100} + \frac{7}{1000} =$ _____



Singapore Summer Shape Ups: Level 4

Week 5: Lesson 2



QUICK FACTS! How long does it take you to do all 20 facts?

Get someone to time you and then write your time in the blank.

TIME: _____

a. $56 \div 8 =$ _____

k. $4 \times 12 =$ _____

b. $7 \times 6 =$ _____

l. $5 \times 5 =$ _____

c. _____ $\div 9 = 9$

m. $21 =$ _____ $\times 3$

d. $2 \times$ _____ $= 24$

n. $20 \div 10 =$ _____

e. $12 \times 0 =$ _____

o. $6 \times 9 =$ _____

f. $7 = 14 \div$ _____

p. $3 \times 3 =$ _____

g. _____ $= 8 \div 8$

q. $4 \times 5 =$ _____

h. $2 \times$ _____ $= 18$

r. $4 = 28 \div$ _____

i. $6 \times 8 =$ _____

s. $72 =$ _____ $\times 8$

j. $12 \times 4 =$ _____

t. $8 = 40 \div$ _____

How's it going? Your times should be improving....Keep practicing!

Singapore Summer Shape Ups: Level 4

1. Matthew, Pierson and James shared a pizza. If Matthew ate $\frac{3}{12}$ of the pizza and Pierson ate $\frac{3}{8}$ of the pizza. What fraction did James eat? Express your answer in simplest terms.



2. Complete the following number patterns.

a. 21.43; 21.41; _____; _____; 21.35; _____

b. 10,864; 10,964; _____; 11,164; _____; _____

c. 20; _____; 19; 18.5; 18; _____; _____

3. Circle the words that describe a **rhombus**.

Equal sides four right angles parallelogram quadrilateral

Singapore Summer Shape Ups: Level 4

4. Claire wants to grill hamburgers for her hiking club's picnic. She wants to make eight 4 oz patties. How many pounds of meat should she buy?

5. Fill in the blanks.

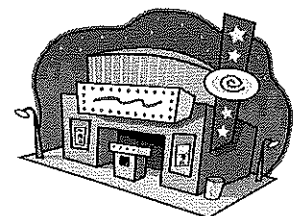
a. $4.5 + \underline{\hspace{2cm}} + 0.015 = 4.815$

b. $9,874 = 9000 + 860 + \underline{\hspace{2cm}}$

c. $1800 + \underline{\hspace{2cm}} = 3200$

d. $3,020 + \underline{\hspace{2cm}} + 8 = 3,158$

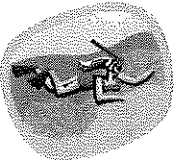
6. Emily and Gracie want to go to a movie that starts at 7:40pm. If it takes the girls 35 minutes to get ready and 20 minutes to travel to the theater, what time should they start to get ready?



Singapore Summer Shape Ups: Level 4

Week 5: Lesson 3

1. Lily bought 2 swimsuits that cost \$23.75 each. If she paid with a \$50 bill, how much change should she receive?



2. Mental Math: Video: Mental Math – 9 9 10 Strategy &
Mental Math – Make an Easier Problem

a. $100 - 45 =$ _____

b. $100 - 32 =$ _____

c. $100 - 12 =$ _____

d. $100 - 64 =$ _____

e. $100 - 71 =$ _____

Singapore Summer Shape Ups: Level 4

3. Ben weighs 98 lbs. Asha weighs half as much as Ben. Lindsay weighs 12 lbs less than Asha. What is the difference in Ben's weight and Lindsay's weight? How much do all 3 children weigh altogether?

4. Louie rolls 2 regular 6-sided dice and adds the numbers. Fill in the blanks with *likely*, *unlikely*, *certain*, or *impossible*.

a. It is _____ that he will roll a sum greater than 12.

b. It is _____ that he will roll a 1 digit sum.

c. It is _____ that he will roll a sum less than or equal to 12.

d. It is _____ that he will roll "snake eyes" (two ones).



Singapore Summer Shape Ups: Level 4

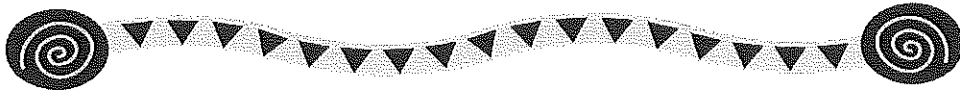
5. Multiply.

a.
$$\begin{array}{r} 3.1 \\ \times 4 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 8.2 \\ \times 8 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 45 \\ \times 36 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 803 \\ \times 27 \\ \hline \end{array}$$



6. Add or subtract. Express your answers in simplest form.

a.
$$\frac{2}{3} + \frac{5}{6} =$$

b.
$$\frac{1}{10} + \frac{3}{5} =$$

c.
$$\frac{9}{14} - \frac{2}{7} =$$

d.
$$\frac{3}{4} + \frac{1}{2} =$$

e.
$$1 - \frac{2}{6} - \frac{1}{2} =$$

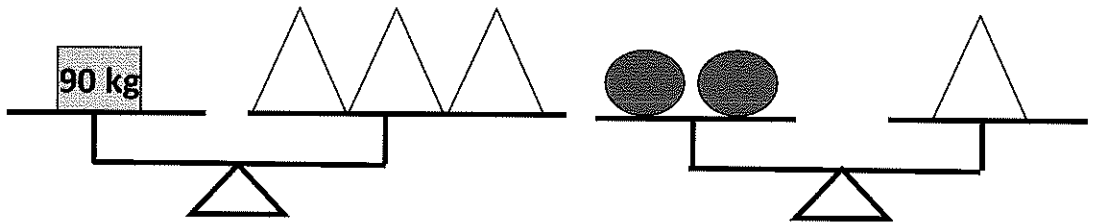
f.
$$\frac{3}{9} - \frac{1}{3} =$$

Singapore Summer Shape Ups: Level 4

Week 6: Lesson 1

1. Hallie bought 15 candy bars in a box that weighed 4 lbs. If each candy bar weighs 4 oz, how much does the box weigh?

2. Use the diagram to answer the questions below.



- a. Which shape is heaviest? Lightest?
- b. What is the difference in the weight of the heaviest shape and lightest shape?
- c. How many circles and squares will balance both sides of the scale?

Singapore Summer Shape Ups: Level 4

3. What number has to be subtracted from 162 to give the answer 13?

4. Draw the following.
 - a. A set of 9 stars. $\frac{2}{3}$ of them should be blue.

 - b. A set of 12 circles. $\frac{3}{4}$ of them should be red.

 - c. A set of 10 triangles. $\frac{2}{5}$ of them should be green.

5. Answer the following in simplest form.
 - a. A penny is what fraction of \$1.00? _____
 - b. What fraction of \$2.00 is 40 pennies? _____
 - c. 12 oz is what fraction of a pound? _____
 - d. What fraction of 1 yd is 10 inches? _____
 - e. What fraction of a liter is 25 ml? _____

Singapore Summer Shape Ups: Level 4

6. Write $<$, $>$, or $=$ in the blank. Explain how you know.
VIDEO – Comparing fractions

a. $\frac{4}{4}$ _____ $\frac{7}{8}$

b. $\frac{3}{10}$ _____ $\frac{3}{5}$

c. $\frac{3}{4}$ _____ $\frac{5}{8}$

d. $\frac{1}{3}$ _____ $\frac{13}{26}$

e. $\frac{7}{21}$ _____ $\frac{15}{45}$

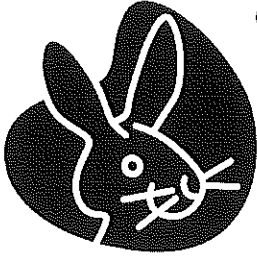
f. $\frac{9}{10}$ _____ $\frac{6}{7}$

Singapore Summer Shape Ups: Level 4

Week 6 : Lesson 2

QUICK FACTS! How long does it take you to do all 20 facts?

Get someone to time you and then write your time in the blank.



TIME: _____

a. $7 \times 7 =$ _____

k. $8 \times 2 =$ _____

b. $35 \div 7 =$ _____

l. $6 =$ _____ $\div 7$

c. $9 \times$ _____ $= 54$

m. $2 \times 3 \times 4 =$ _____

d. $48 = 6 \times$ _____

n. $5 \times 9 =$ _____

e. $3 =$ _____ $\div 4$

o. $3 =$ _____ $\div 5$

f. $4 \times 8 =$ _____

p. $18 \div 3 =$ _____

g. $14 =$ _____ $\times 2$

q. $10 \times 4 =$ _____

h. $9 \div 1 =$ _____

r. $2 \times 5 =$ _____

i. $7 =$ _____ $\div 8$

s. $64 = 8 \times$ _____

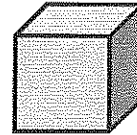
j. $12 \div 12 =$ _____

t. $36 \div 6 =$ _____

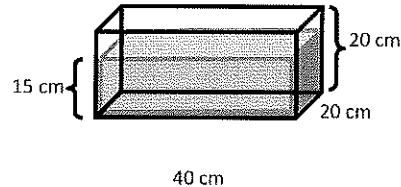
What's the difference in your longest and shortest times for finishing your "Quick Facts"?

Singapore Summer Shape Ups: Level 4

1. What is the volume of a cube whose sides measure 4 inches.



2. A fish tank measures 20 cm by 40 cm by 20 cm. If it is filled to a depth of 15 cm, find the volume of water in cubic centimeters.



3. How many quarters can you get for \$9.75?

4. Tell the value of the underlined digit.

a. 405.09 _____

b. 0.785 _____

c. 243.75 _____

d. 2,091.466 _____

Singapore Summer Shape Ups: Level 4

5. Write the following in *expanded form*.

a. $4.581 =$ _____

b. $974.4 =$ _____

c. $32.08 =$ _____

6. Order from least to greatest.

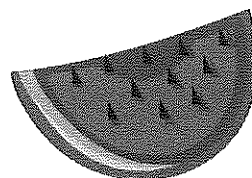
a. 2 ft; 28 in.; 35 in.; 1 yd

b. 3 qts; 1 gal; 7 pts; 9 c

c. 2; -1; 5; -4; -3

d. $3\frac{3}{5}$; $3\frac{2}{10}$; 3.22; 3.02

e. 0.98; 0.905 5; 0.981; 0.9



Singapore Summer Shape Ups: Level 4

7. Use model drawing to solve.

- a. Kendall spent \$62 at the mall. That is 5 times more than Hayley spent. How much did Hayley spend?

VIDEO: Model Drawing – Times as Many

- b. String B is 4 in. longer than A. If the total length of both strings is 10 ft, how long is each string? Express your answer in feet and inches.

VIDEO: Model Drawing-Find 2 Numbers

8. If it takes Mary Kathryn 3hrs 35min to get to the beach from home and she wants to arrive at the beach at 2pm, what time will she need to leave her home?

Singapore Summer Shape Ups: Level 4

Week 6: Lesson 3

1. Complete the number patterns.

a. 21.2; 21.25; _____; _____; 21.4

b. 67.6; _____; 67.56; _____; 67.52; _____

c. 0.81; 0.807; _____; 0.801; _____; 0.795; _____

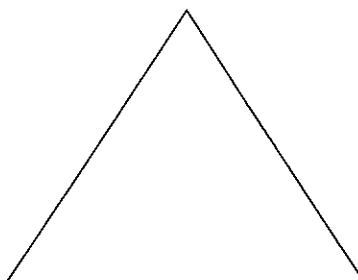
2. Shade the figures with the fraction indicated?

a. $\frac{2}{5}$



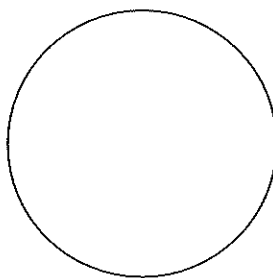
b. $\frac{3}{4}$

(Be careful! This is a tricky one 😊)

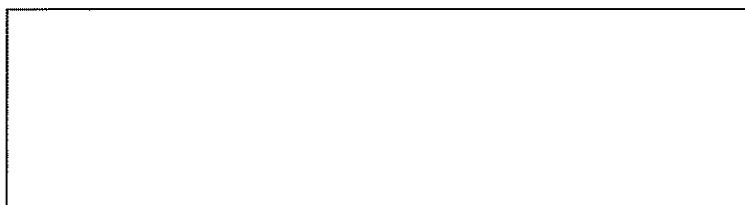


Singapore Summer Shape Ups: Level 4

c. $\frac{5}{6}$



d. $\frac{1}{10}$



3. Mrs. Adams spent $\frac{5}{8}$ of her money on a new beach hat. What fraction did she save? If she had \$12 left, how much did she have at the beginning?

4. $\square + \square + \square = 36$
 $\triangle + \triangle + \triangle + \triangle = 24$
What is $\square \div \triangle$?

Singapore Summer Shape Ups: Level 4

5. Add, Subtract, Multiply or Divide.

VIDEOS: Add/Subtract Decimals

Multiply/Divide Decimals

a. $1.32 - 0.49 =$

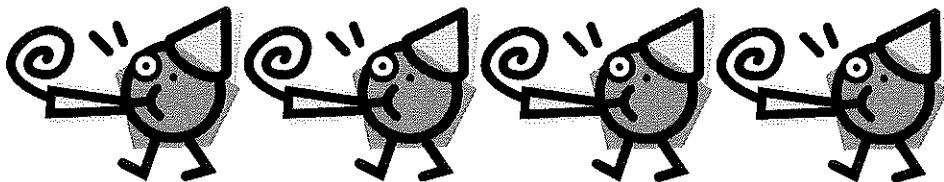
b. $12.2 \div 4 =$

c. $125.74 + 104.12 =$

d. $2.1 \times 8 =$

e. $60.55 \div 5 =$

f. $3.2 \times 7 =$



YIPPEE!!!! YOU'RE ALL DONE!

Congratulations!

