

FROEBEL BILINGUAL SCHOOL



MATH SKILLS SHARPENERS

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Going to **SIXTH GRADE**

Singapore Math Summer Workbook

6



**2020 SUMMER Mathematic
Skills Sharpener
Going to Sixth Grade**

STUDENT'S NAME	DATE
TEACHER COMING FROM	SCORE
TEACHER GOING TO	
PARENT'S SIGNATURE	DATE RECEIVED

SKILLS SHARPENER FOR 6th GRADE MATH

Week 1

Day 1. Write the following numbers in words.

a) 603,804 _____

b) 8,703,000 _____

c) 29,900,909 _____

Write the words in figures.

d) Nine million, five hundred four thousand _____

e) Sixty-eight million, twenty-seven thousand, three hundred _____

Day 2. Write the value of each number.

a) $100,000 + 80,000 + 4,000 + 900 =$ _____

b) $6,000,000 + 32,000 + 807 =$ _____

c) $40,000,000 + 20,000 + 97 =$ _____

Arrange numbers in decreasing order.

64,748 76,435 87,660 60,083 76,354
_____, _____, _____, _____, _____

Arrange numbers in increasing order.

5,869,011 5,968,007 5,698,000 5,896,300 5,689,024
_____, _____, _____, _____, _____

Day 3. Round off numbers

Round off each number to the nearest 10.

a) 86 _____

b) 348 _____

c) 16,496 _____

Round off each number to the nearest 100.

a) 642 _____

b) 955 _____

c) 39,745 _____

Round off each number to the nearest 1000.

a) 7680 _____

b) 5672 _____

c) 893,498 _____

Day 4. Estimate the value of each of the following:

a) $9286 + 5915 =$

e) $49,628 + 6925 =$

b) $7365 - 2536 =$

f) $35,627 - 7243 =$

c) $683 \times 84 =$

g) $980 \times 7 =$

d) $288 \div 32 =$

h) $639 \div 3 =$

Week 2

Day 1. Multiply by tens, hundreds or thousands.

a) $356 \times 100 =$ _____

b) $69 \times 1000 =$ _____

c) $7500 \times 10 =$ _____

d) $704 \times 100 =$ _____

Day 2.

Divide by tens, hundreds or thousands.

a) $9200 \div 100 =$ _____

b) $6050 \div 10 =$ _____

c) $18,000 \div 1000 =$ _____

d) $23,000 \div 100 =$ _____

Day 3. Find the value using order of operations.

a. $36 + 18 - 19 =$

d. $140 - 40 \times 3 =$

b. $27 - 2 \times (3 + 5) =$

e. $24 \div 6 + 3 \times (6 - 4) =$

c. $10 - 4 \div 2 + 6 \times 5 =$

f. $60 - 72 \div 8 \times 4 - 20 + 6 =$

Day 4. Fill in the blank

a. 2 yd. = _____ ft.	b. 3 weeks = _____ days	c. 90 min. = _____ sec.
d. 1 km. = _____ m	e. 4 ft. = _____ in.	f. 3 gal. = _____ qt.
g. 5 ½ hr. = _____ min.	h. 20 days = _____ hr.	i. 1 yd. = _____ in.
j. 7 ft. = _____ in.	k. 5 years = _____ months	l. 3 hr. = _____ min.

Week 3

Day 1. Divide show process

a. $752 \div 8 =$

c. $252 \div 7 =$

b. c. $81,700 \div 95 =$

d. $6678 \div 53 =$

Day 2. Change improper fraction to mixed numbers

a) $\frac{17}{8} =$

b) $\frac{11}{5} =$

c) $\frac{22}{8} =$

d) $\frac{10}{3} =$

Day 3. Change mixed numbers to improper fractions

a) $3\frac{1}{2} =$

b) $5\frac{2}{3} =$

c) $9\frac{3}{5} =$

d) $2\frac{1}{3} =$

Day 4. Add the fractions. Give each answer in its simplest form.

a. $\frac{2}{5} + \frac{4}{15} =$

c. $8\frac{2}{5} + 3\frac{3}{10} =$

b. $\frac{4}{9} + \frac{3}{18} =$

d. $1\frac{3}{7} + 1\frac{1}{2} =$

WEEK 4

Day 1. Subtract the fractions. Give each answer in its simplest form.

a. $\frac{2}{5} - \frac{3}{10} =$

c. $3\frac{1}{4} - 1\frac{1}{8} =$

b. $\frac{25}{28} - \frac{3}{4} =$

d. $4\frac{3}{4} - 3\frac{7}{12} =$

Day 2. Multiply the fraction and a whole number.

a. $\frac{1}{6} \times 10 =$

c. $16 \times \frac{5}{8} =$

b. $5 \times \frac{2}{15} =$

d. $\frac{7}{25} \times 100 =$

Day 3. Use cancellation to multiply the following fractions. Reduce your answer when necessary.

a. $\frac{3}{4} \times \frac{8}{9} =$

c. $\frac{15}{8} \times \frac{4}{2} =$

b. $\frac{35}{6} \times \frac{6}{7} =$

d. $\frac{1}{6} \times \frac{3}{9} =$

Day 4. Use the inversion method to divide fractions. Use cancellation and reduce when necessary.

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

c. $\frac{5}{10} \div \frac{5}{10} =$

b. $\frac{3}{5} \div \frac{6}{15} =$

d. $\frac{3}{9} \div \frac{12}{18} =$

WEEK 5

Day 1. Fill in the blanks with $>$, $<$, or $=$.

a) 9×7 _____ 6×8

b) $49 \div 7$ _____ $81 \div 9$

c) $14 + 7$ _____ 3×4

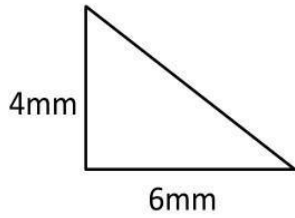
d) 2 yr. _____ 900 da.

e) $17 - 5$ _____ $6 + 6$

f) $35 - 6$ _____ $15 + 9$

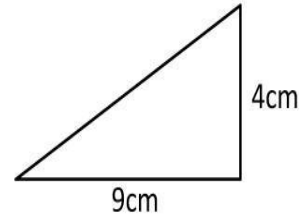
Day 2. Find the area of each triangle.

a)



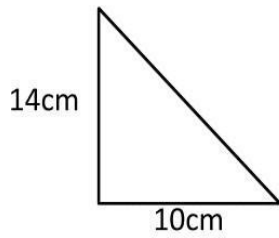
Area = _____ mm²

b)



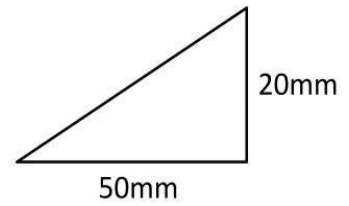
Area = _____ cm²

c)



Area = _____ cm²

d)



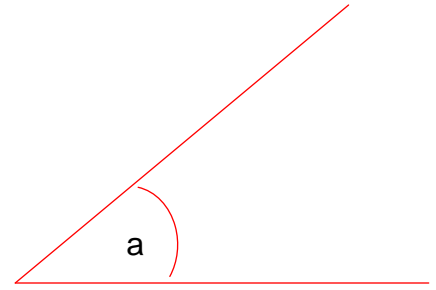
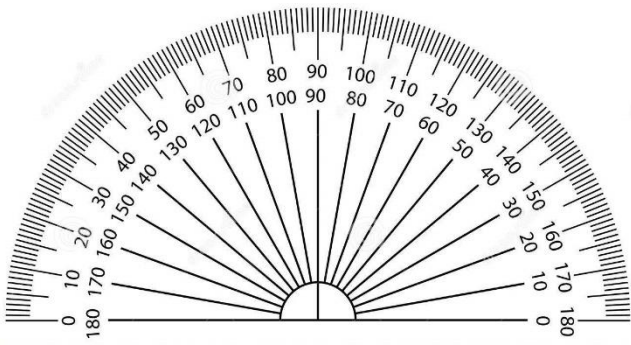
Area = _____ mm²

Day 3. Round off these numbers.

Number	One Million	One Thousand	Hundred
a. 78,932, 815			
b. 13,496,742			
c. 16,284,935			
d. 9,057,391			

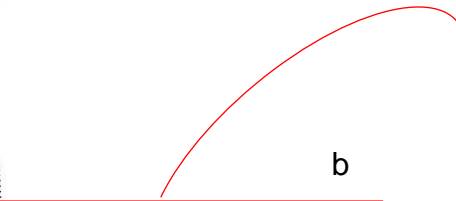
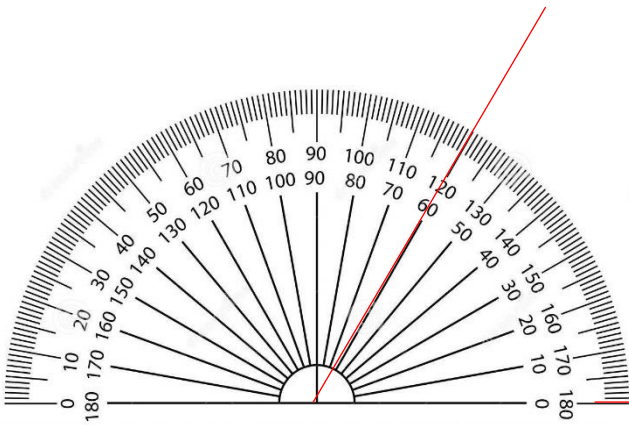
Day 4. Use the protractor to measure angles

a.



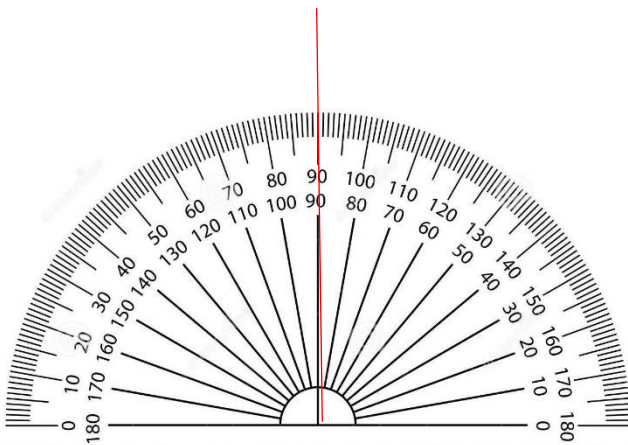
$\angle a = \underline{\hspace{2cm}}$

b.



$\angle b = \underline{\hspace{2cm}}$

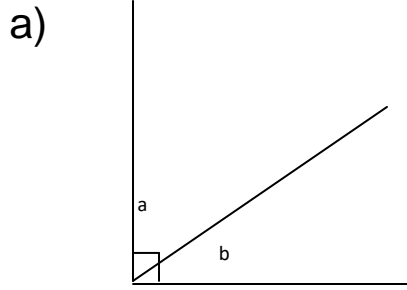
c.



$\angle c = \underline{\hspace{2cm}}$

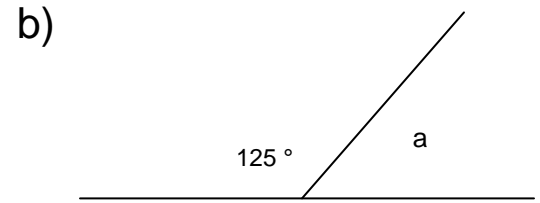
WEEK 6

Day 1. Find the unknown angles.

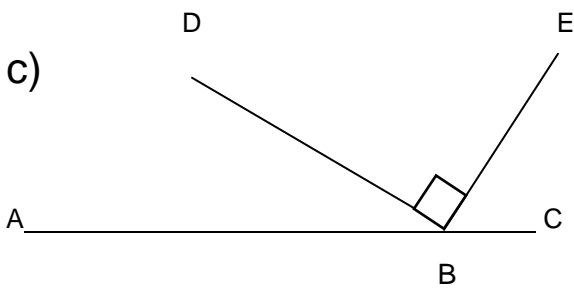


Find $\angle a =$ _____

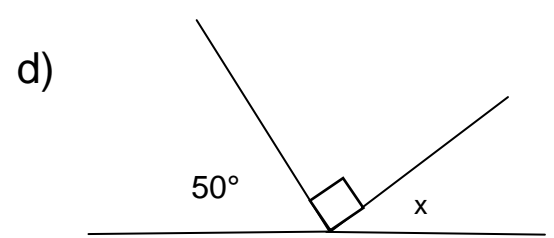
Find $\angle b =$ _____



Find $\angle a =$ _____

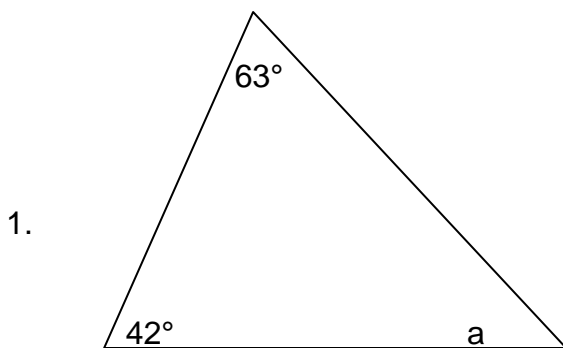


Find $\angle DBE =$ _____



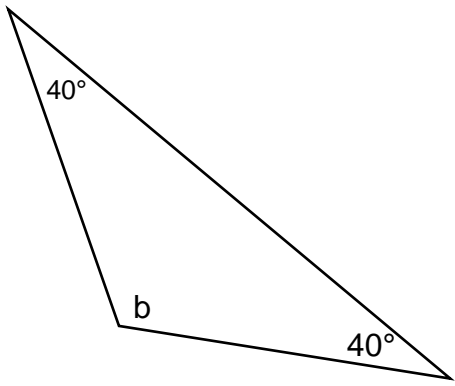
Find $\angle X =$ _____

Day 2. Find the missing angle of each triangle.



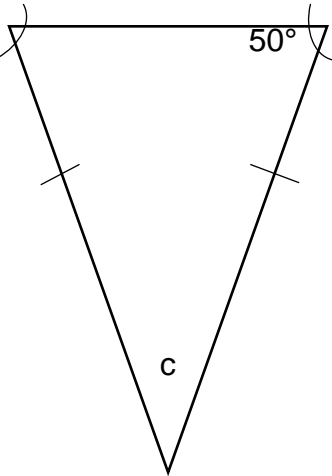
$\angle a =$ _____

2.



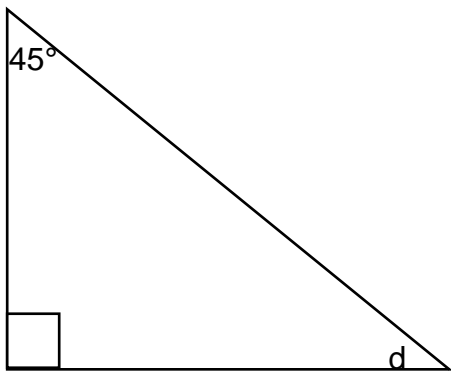
$\angle b = \underline{\hspace{2cm}}$

3.



$\angle c = \underline{\hspace{2cm}}$

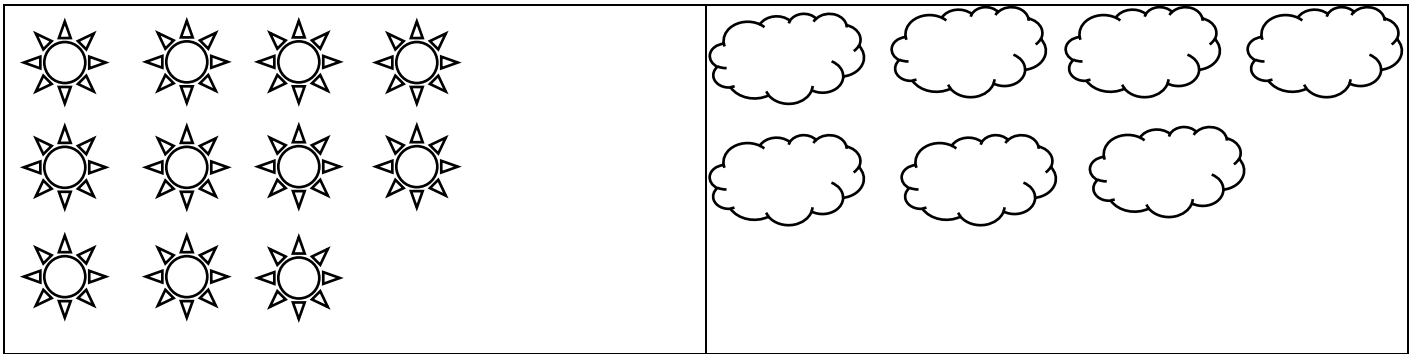
4.



$\angle d = \underline{\hspace{2cm}}$

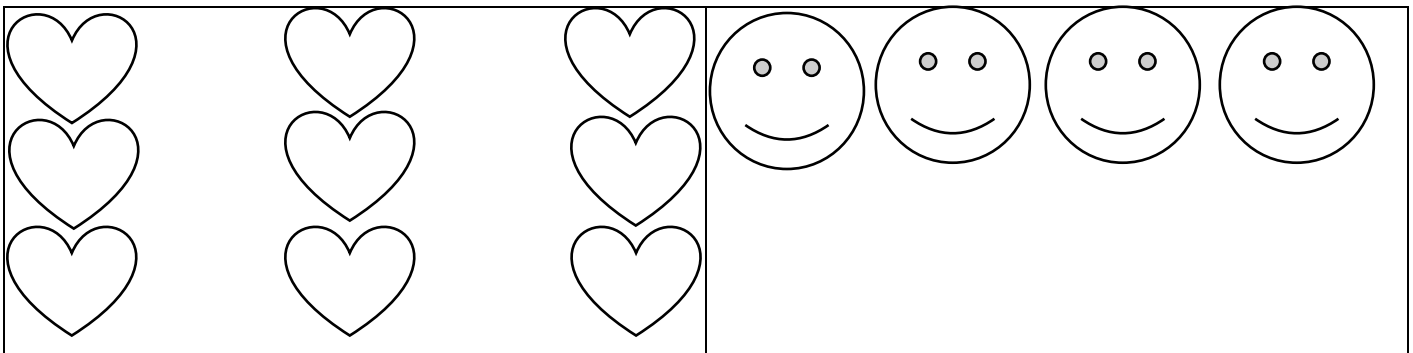
Day 3. Find the ratio.

1.



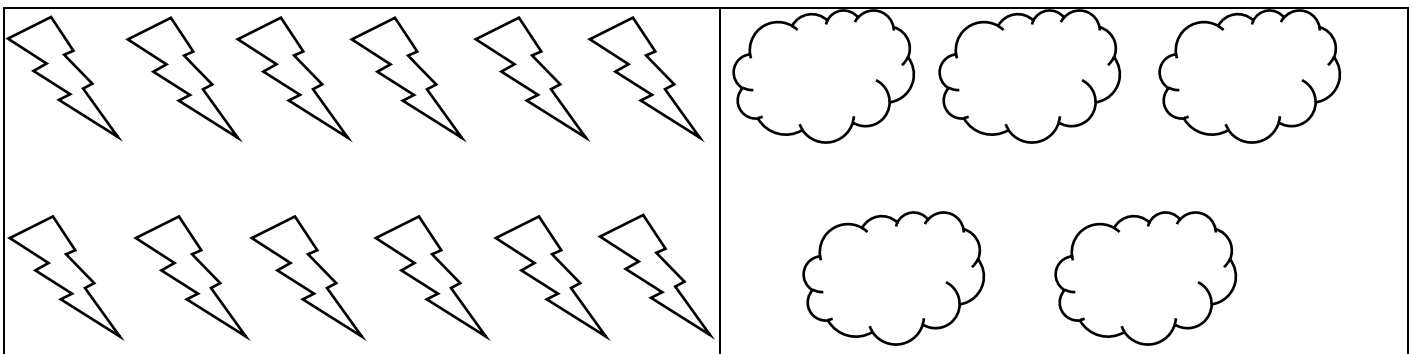
The ratio of the number of suns to the number of clouds is _____.

2.



The ratio of the number of hearts to the number of happy faces is _____.

3.



The ratio of the number of lightning bolts to the number of clouds is _____.

Day 4. Simplify ratios to make them equivalent.

a. $6:12 = \underline{\hspace{2cm}}$

f. $5:15 = \underline{\hspace{2cm}}$

b. $12:15 = \underline{\hspace{2cm}}$

g. $9:15 = \underline{\hspace{2cm}}$

c. $6:24 = \underline{\hspace{2cm}}$

h. $4:16 = \underline{\hspace{2cm}}$

d. $2:8 = \underline{\hspace{2cm}}$

i. $7:14 = \underline{\hspace{2cm}}$

e. $8:16 = \underline{\hspace{2cm}}$

j. $15:30 = \underline{\hspace{2cm}}$

WEEK 7

Day 1. Find the sums for these decimals

<p>a. 13.58 8.69 $+7.23$ <hr/></p>	<p>b. 15.87 6.5 $+$ <hr/>3.96</p>	<p>c. 17.59 8.3 $+$ <hr/>7.65</p>
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Day 2. Find the difference

<p>a. 5.342 $- 1.485$ <hr/></p>	<p>b. 525.623 $- 115.694$ <hr/></p>	<p>c. 19.1992 $- 18.1896$ <hr/></p>
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Day 3. Divide and round off the answer to 2 decimal places.

a. $52.78 \div 5 =$	b. $0.465 \div 2 =$
c. $9.29 \div 6 =$	d. $20.23 \div 3 =$

Day 4. Write each fraction as a decimal correct to 2 decimal places.

a. $\frac{3}{8} \approx$	b. $\frac{4}{9} \approx$
c. $5\frac{3}{7} \approx$	d. $8\frac{1}{6} \approx$

WEEK 8

Day 1. Multiply by tens, hundreds, or thousands.

a) $69.29 \times 1000 =$ _____ b) $0.278 \times 10 =$ _____ c) $0.141 \times 100 =$ _____

d) $3.24 \times 2000 =$ _____ e) $5.12 \times 400 =$ _____

Day 2. Express each fraction as a percentage.

a. $\frac{32}{100} =$	b. $\frac{18}{100} =$	c. $\frac{5}{100} =$
d. $\frac{98}{100} =$	e. $\frac{9}{100} =$	f. $\frac{66}{100} =$

Day 3. Express each decimal as a percentage.

a) $0.56 =$ _____ b) $0.7 =$ _____ c) $0.28 =$ _____

d) $0.04 =$ _____ e) $0.3 =$ _____

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