

Year 4 Mini Mock 5 Answers

Synonyms

- | | | | | |
|----|---------|---------|---------|-------------|
| 1. | toasty | chilly | cool | comfortable |
| 2. | walk | crawl | stroll | run |
| 3. | argue | scare | confuse | frighten |
| 4. | bravery | honesty | courage | winner |
| 5. | cook | drink | eat | munch |
| 6. | record | paint | draw | sketch |

Antonyms

- | | | | | |
|----|-------|-------|---------|-----------|
| 1. | save | throw | spend | money |
| 2. | play | safe | watch | dangerous |
| 3. | tidy | lost | tornado | cluttered |
| 4. | scrub | push | pull | wagon |
| 5. | tired | give | sleepy | receive |
| 6. | dawn | dusk | duck | lawn |

Camels

- 1) b
 2) a
 3) d
 4) a
 5) d

Snow Globe

- 1) a
 2) d
 3) c
 4) a
 5) b

Submarines

- 1 A
 2) D
 3) C
 4) A
 5) D
 6) c
 7) b

Elite 21

- 1) C
 2) C
 3) D
 4) A
 5) C

CLOZE (Plants)

- 1) tiniest
- 2) divided
- 3) thousands
- 4) larger
- 5) but
- 6) perhaps
- 7) same
- 8) alike
- 9) bundle
- 10) head
- 11) different
- 12) branches
- 13) directions
- 14) strongest

1 Although he was the youngest, Tom was one of the tallest.

2 What really happened that day

3 to play again

4 Ana's favourite things are camping, holidays, cycling and swimming.

5 The lively crowd cheered loudly when the rally car race began.



6 My father, who works at the museum, gave my class a guided tour.

Once, a hard-working **father** had a **family** of sons. The sons were **very troublesome** and were **always quarrelling among** themselves.

The father was very worried about this, and one day **he** gathered the **whole** family around him. He **showed** them a **bundle of** sticks, tied together with cord.

"I want each of you to take this **bundle** in his hands," he said, "**and** try with all your strength to break it."

Beginning with the youngest, each boy tried in turn **to** break the sticks, but none **succeeded**.

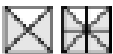


"Now, untie the bundle," said the **amused** father, "**and** see what you can do with **each** twig."

They did so, and with great **ease**, each of them snapped the **single** sticks **to pieces**.

"I have a bit of **advice** for you now," explained the father. "Keep together as a family and you are safe. Divide, and you are **in trouble**."

Equivalent Fractions

Fill in the missing two for each.


a. 	a. 	a. 
$\frac{3}{4} = \frac{6}{8}$	$\frac{4}{3} = \frac{8}{6}$	$\frac{1}{2} = \frac{5}{10}$
b. $\frac{6}{12} = \frac{1}{4}$	a. $\frac{1}{3} = \frac{2}{6}$	i. $\frac{1}{6} = \frac{2}{12}$
c. $\frac{5}{10} = \frac{1}{2}$	b. $\frac{2}{3} = \frac{4}{6}$	l. $\frac{2}{4} = \frac{1}{2}$
f. $\frac{1}{4} = \frac{1}{12}$	k. $\frac{6}{9} = \frac{2}{3}$	o. $\frac{2}{5} = \frac{4}{10}$
h. $\frac{6}{8} = \frac{3}{12}$	a. $\frac{5}{7} = \frac{10}{14}$	a. $\frac{14}{18} = \frac{7}{9}$

Simplifying Fractions

Write each fraction in simplest form.

$$\frac{6}{8} = \frac{3}{4} \quad \frac{10}{14} = \frac{5}{7} \quad \frac{7}{21} = \frac{1}{3} \quad \frac{8}{16} = \frac{1}{2}$$

Draw a circle around the fractions that are in simplest form. Cross out the fractions that are not.




What fraction of the stars are outside the box?

$$\frac{4}{10}$$

How many of these stars are outside the box?

$$\frac{2}{5}$$

There are a dozen eggs in a basket. 4 are white. The rest are brown.

Tell what fraction of the eggs are brown, then write the fraction in simplest form.

$$\frac{8}{12} = \frac{2}{3}$$

Tell whether each equation is true or false.

$$\frac{3}{6} = \frac{2}{3} \quad \text{false}$$

$$\frac{3}{12} = \frac{1}{4} \quad \text{true}$$

$$\frac{5}{15} = \frac{1}{3} \quad \text{true}$$

Improper Fractions & Mixed Numbers

Write each mixed number as an improper fraction.

a. $3 \frac{1}{4} = \frac{13}{4}$	b. $8 \frac{2}{3} = \frac{26}{3}$	c. $3 \frac{3}{5} = \frac{18}{5}$	d. $4 \frac{1}{3} = \frac{13}{3}$
e. $5 \frac{1}{2} = \frac{11}{2}$	f. $10 \frac{2}{12} = \frac{122}{12}$	g. $7 \frac{1}{2} = \frac{14}{2}$	h. $6 \frac{4}{9} = \frac{58}{9}$
i. $7 \frac{2}{4} = \frac{30}{4}$	j. $10 \frac{2}{2} = \frac{22}{2}$	k. $11 \frac{1}{3} = \frac{34}{3}$	l. $20 \frac{1}{2} = \frac{41}{2}$

Write each improper fraction as a mixed number.

a. $\frac{2}{3} = 0 \frac{2}{3}$	b. $\frac{5}{4} = 1 \frac{1}{4}$	c. $\frac{8}{3} = 2 \frac{2}{3}$	d. $\frac{10}{9} = 1 \frac{1}{9}$
e. $\frac{13}{7} = 1 \frac{6}{7}$	f. $\frac{8}{5} = 1 \frac{3}{5}$	g. $\frac{17}{9} = 1 \frac{8}{9}$	
h. $\frac{7}{3} = 2 \frac{1}{3}$	i. $\frac{17}{7} = 2 \frac{3}{7}$	j. $\frac{10}{3} = 3 \frac{1}{3}$	



Ms. Jones bakes pies. She always cuts each pie into 8 slices. There are 13 slices left on the counter. Write the number of pies on the counter as a mixed number and as an improper fraction.

$$\frac{13}{8} \text{ pies} = 1 \frac{5}{8} \text{ pies}$$

Adding Fractions

with like denominators

The **numerator** is the top number of a fraction. $\frac{1}{2} \rightarrow 1$

The **denominator** is the bottom number of a fraction. $\frac{1}{2} \rightarrow 2$

To add fractions with the same denominator, keep the denominator the same and just add the numerators together.

Example: $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$

Add the fractions and write the answer on the line.

a. $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$	g. $\frac{3}{7} + \frac{3}{7} = \frac{6}{7}$
b. $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$	h. $\frac{2}{9} + \frac{3}{9} = \frac{5}{9}$
c. $\frac{1}{10} + \frac{2}{10} = \frac{3}{10}$	i. $\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$
d. $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$	j. $\frac{1}{7} + \frac{1}{7} = \frac{2}{7}$
e. $\frac{1}{12} + \frac{4}{12} = \frac{5}{12}$	k. $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$
f. $\frac{7}{9} + \frac{1}{9} = \frac{8}{9}$	l. $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$

Adding Fractions

with Unlike Denominators

a. $\frac{2}{3} + \frac{1}{4} = \frac{11}{12}$

c. $\frac{1}{2} + \frac{5}{8} = \frac{9}{8}$ or $1\frac{1}{8}$

e. $\frac{1}{3} + \frac{3}{4} = \frac{7}{12}$

g. $\frac{4}{5} + \frac{1}{3} = \frac{17}{15}$

i. $\frac{2}{5} + \frac{1}{2} = \frac{9}{10}$

k. $\frac{4}{6} + \frac{2}{3} = \frac{8}{6}$ or $1\frac{2}{6}$ or $1\frac{1}{3}$

Mixed Fractions Number Line

Write the correct letter on the blank line next to each mixed fraction.



$1\frac{1}{4}$ b $2\frac{2}{4}$ i $2\frac{3}{4}$ m $1\frac{3}{8}$ c

$2\frac{1}{8}$ h $1\frac{7}{8}$ g $1\frac{1}{2}$ d $2\frac{7}{8}$ n

$2\frac{1}{2}$ k $1\frac{5}{8}$ e $2\frac{1}{4}$ l $1\frac{1}{8}$ o

Compare the fractions using <, >, and =.

$1\frac{1}{4} > 1\frac{1}{8}$ $2\frac{1}{8} < 2\frac{1}{4}$ $1\frac{7}{8} < 2\frac{1}{4}$

$2\frac{3}{8} > 2\frac{1}{2}$ $1\frac{3}{8} < 2\frac{3}{8}$ $1\frac{3}{8} > 1\frac{5}{8}$

$2\frac{3}{8} < 2\frac{1}{2}$ $1\frac{5}{8} < 1\frac{3}{4}$ $2\frac{7}{8} > 1\frac{7}{8}$

$1\frac{3}{4} > 1\frac{1}{4}$ $2\frac{3}{4} < 2\frac{1}{2}$ $1\frac{5}{8} < 2\frac{3}{8}$

Find the product of each pair of fractions. Simplify your answers when possible.

a. $\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$

b. $\frac{1}{3} \times \frac{7}{8} = \frac{7}{24}$

c. $\frac{3}{4} \times \frac{3}{7} = \frac{9}{28}$

d. $\frac{1}{2} \times \frac{2}{8} = \frac{2}{16} = \frac{1}{8}$

e. $\frac{1}{3} \times \frac{2}{7} = \frac{2}{21}$

f. $\frac{5}{5} \times \frac{1}{5} = \frac{5}{25} = \frac{1}{5}$

a. $\frac{3}{8} \div \frac{4}{5}$

$\frac{3}{8} \times \frac{5}{4} = \frac{15}{32}$

b. $\frac{3}{5} \div \frac{1}{3}$

$\frac{3}{5} \times \frac{3}{1} = \frac{9}{5} = 1\frac{4}{5}$

c. $\frac{4}{9} \div \frac{1}{5}$

$\frac{4}{9} \times \frac{5}{1} = \frac{20}{9} = 2\frac{2}{9}$

d. $4 \div \frac{6}{7}$

$\frac{4}{1} \times \frac{7}{6} = \frac{28}{6} = 4\frac{4}{6} = 4\frac{2}{3}$

e. $\frac{1}{5} \div \frac{5}{8}$

$\frac{1}{5} \times \frac{8}{5} = \frac{8}{25}$

f. $\frac{3}{5} \div \frac{7}{8}$

$\frac{3}{5} \times \frac{8}{7} = \frac{24}{35}$

Fractions of Groups

a. Color $\frac{1}{2}$ of the marbles red.



$\frac{1}{2}$ of 10 = 5

b. Color $\frac{1}{4}$ of the marbles green.



$\frac{1}{4}$ of 10 = 2

c. $\frac{1}{3}$ of 10 = 3

d. $\frac{1}{3}$ of 9 = 3

e. $\frac{1}{4}$ of 20 = 5

f. $\frac{1}{2}$ of 30 = 15

g. $\frac{1}{3}$ of 37 = 12

h. $\frac{1}{7}$ of 49 = 7

i. $\frac{1}{4}$ of 8 = 2

j. $\frac{1}{6}$ of 72 = 12

k. $\frac{1}{3}$ of 24 = 8

l. Austin bought a dozen eggs at the supermarket.

When he got home, he was upset because $\frac{1}{4}$ of them were broken. How many eggs were broken? 3

m. There are 8 boys and 12 girls in Miss Johnson's class.

$\frac{1}{4}$ of her students are absent. How many students are absent? 5