

2022 Homework3 Answers

Spelling Answers

Vocab 3

	Sarah's
1) L	1 B
2) M	2C
3) N	3B
4) J	4B
5) K	5A
6) D	cockroach
7) E	1 a
8) F	2 D
9) G	3 A
10) H	4C
11) I	5C
12) A	6B
13) B	7D
14) C	

Cloze

- 1) wished
- 2) always
- 3) impossible
- 4) tempest
- 5) condition
- 6) quietly
- 7) scarcely
- 8) black
- 9) accordingly
- 10) delicacy

Shuffle

Sentences

- 1) c
- 2) d
- 3) e
- 4) f
- 5) c
- 6) b
- 7) a
- 8) f
- 9) h
- 10) i

A Flea, a Grasshopper, and a Leap-frog once wanted to see which could jump highest; and they invited the **whole** world, and everybody else besides who chose to come to see the festival. Three famous jumpers were they, as everyone would say, when they all met together in the room.

"I will give my daughter to him who jumps highest," **exclaimed** the King; "for it is not so amusing where there is no prize to jump for."

The Flea was the first to step forward. He had **exquisite** manners, and bowed to the company on all sides; for he had noble blood, and was, moreover, accustomed to the society of man alone; and that makes a great difference.











Then came the Grasshopper. He was considerably **heavier**, but he was well-mannered, and wore a green uniform, which he had by right of birth; he said, moreover, that he belonged to a very **ancient** Egyptian family, and that in the house where he then was, he was thought much of. The fact was, he had been just brought out of the fields, and put in a pasteboard house, three stories high, all made of court-cards, with the coloured side inwards; and doors and windows cut out of the body of the Queen of Hearts. "I sing so well," said he, "that sixteen native grasshoppers who have chirped from infancy, and yet got no house built of cards to live in, grew thinner than they were before for sheer vexation when they heard me."

It was thus that the Flea and the Grasshopper gave an account of themselves, and thought they were quite good enough to marry a Princess.









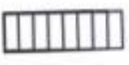
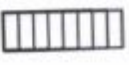
Punctuation Answers

- 1) no comma after and
- 2) karen should be Karen
- 3) Old should be old
- 4) none
- 5) ! should be inside speech

What is the fraction of the shaded area ?

- | | | | |
|--|---------------------------------|---|---------------------------------|
| 1)  | <u>$\frac{2}{3}$</u> | 6)  | <u>$\frac{4}{5}$</u> |
| 2)  | <u>$\frac{4}{5}$</u> | 7)  | <u>$\frac{1}{8}$</u> |
| 3)  | <u>$\frac{6}{8}$</u> | 8)  | <u>$\frac{1}{2}$</u> |
| 4)  | <u>$\frac{1}{2}$</u> | 9)  | <u>$\frac{2}{5}$</u> |
| 5)  | <u>$\frac{5}{8}$</u> | 10)  | <u>$\frac{3}{4}$</u> |

Shade the figures below with the indicated fractions

- | | | | |
|--|---------------------------------|---|---------------------------------|
| 1)  | <u>$\frac{2}{4}$</u> | 6)  | <u>$\frac{7}{8}$</u> |
| 2)  | <u>$\frac{3}{5}$</u> | 7)  | <u>$\frac{1}{5}$</u> |
| 3)  | <u>$\frac{1}{4}$</u> | 8)  | <u>$\frac{3}{5}$</u> |
| 4)  | <u>$\frac{3}{8}$</u> | 9)  | <u>$\frac{2}{5}$</u> |
| 5)  | <u>$\frac{2}{8}$</u> | 10)  | <u>$\frac{4}{8}$</u> |

Fill in the equivalent fractions below

- | | |
|----------------------------------|-----------------------------------|
| 1) $\frac{2}{3} = \frac{10}{15}$ | 6) $\frac{2}{3} = \frac{12}{18}$ |
| 2) $\frac{2}{6} = \frac{12}{36}$ | 7) $\frac{4}{6} = \frac{24}{36}$ |
| 3) $\frac{4}{5} = \frac{8}{10}$ | 8) $\frac{1}{2} = \frac{4}{8}$ |
| 4) $\frac{5}{10} = \frac{1}{2}$ | 9) $\frac{2}{6} = \frac{8}{24}$ |
| 5) $\frac{6}{18} = \frac{1}{3}$ | 10) $\frac{3}{4} = \frac{18}{24}$ |

Simplify the fractions below

- | | |
|-----------------------------------|----------------------------------|
| 1) $\frac{10}{50} = \frac{1}{5}$ | 6) $\frac{6}{18} = \frac{1}{3}$ |
| 2) $\frac{27}{30} = \frac{9}{10}$ | 7) $\frac{24}{32} = \frac{3}{4}$ |
| 3) $\frac{14}{21} = \frac{2}{3}$ | 8) $\frac{2}{4} = \frac{1}{2}$ |
| 4) $\frac{30}{45} = \frac{2}{3}$ | 9) $\frac{18}{27} = \frac{2}{3}$ |
| 5) $\frac{2}{10} = \frac{1}{5}$ | 10) $\frac{6}{27} = \frac{2}{9}$ |

Convert Mixed Numbers to Improper Fractions

Numbering is wrong on answer sheet

- | | | |
|------------------------------------|-----------------------------------|-----------------------------------|
| 1) $5\frac{9}{10} = \frac{59}{10}$ | 6) $4\frac{1}{2} = \frac{9}{2}$ | 11) $9\frac{3}{4} = \frac{39}{4}$ |
| 2) $8\frac{1}{2} = \frac{17}{2}$ | 7) $5\frac{2}{7} = \frac{37}{7}$ | 12) $2\frac{1}{2} = \frac{5}{2}$ |
| 3) $9\frac{1}{4} = \frac{37}{4}$ | 8) $5\frac{3}{4} = \frac{23}{4}$ | 13) $8\frac{4}{5} = \frac{44}{5}$ |
| 4) $5\frac{1}{3} = \frac{16}{3}$ | 9) $8\frac{1}{2} = \frac{17}{2}$ | 14) $5\frac{3}{7} = \frac{38}{7}$ |
| 5) $5\frac{9}{10} = \frac{59}{10}$ | 10) $7\frac{8}{9} = \frac{71}{9}$ | 15) $9\frac{1}{2} = \frac{19}{2}$ |

Convert Improper Fractions to Mixed Fractions

Numbering is wrong on answer sheet

- | | | |
|----------------------------------|------------------------------------|-----------------------------------|
| 1) $\frac{10}{3} = 3\frac{1}{3}$ | 6) $\frac{51}{7} = 7\frac{2}{7}$ | 11) $\frac{9}{2} = 4\frac{1}{2}$ |
| 2) $\frac{22}{3} = 7\frac{1}{3}$ | 7) $\frac{26}{9} = 2\frac{8}{9}$ | 12) $\frac{17}{5} = 3\frac{2}{5}$ |
| 3) $\frac{19}{6} = 3\frac{1}{6}$ | 8) $\frac{59}{10} = 5\frac{9}{10}$ | 13) $\frac{10}{3} = 3\frac{1}{3}$ |
| 4) $\frac{20}{9} = 2\frac{2}{9}$ | 9) $\frac{7}{2} = 3\frac{1}{2}$ | 14) $\frac{33}{6} = 5\frac{1}{2}$ |
| 5) $\frac{23}{5} = 4\frac{3}{5}$ | 10) $\frac{35}{8} = 4\frac{3}{8}$ | 15) $\frac{36}{5} = 7\frac{1}{5}$ |

Add the following Fractions

- $\frac{2}{3} + \frac{4}{5} = 1\frac{7}{15}$
- $\frac{3}{10} + \frac{1}{5} = \frac{5}{10}$ or $\frac{1}{2}$
- $\frac{1}{2} + \frac{1}{10} = \frac{6}{10}$ or $\frac{3}{5}$
- $\frac{4}{5} + \frac{1}{4} = 1\frac{1}{20}$ or $\frac{21}{20}$
- $\frac{1}{5} + \frac{8}{10} = 1$

Subtract the following Fractions

- Same question
- $\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$
 - $\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$
 - $\frac{1}{2} - \frac{2}{5} = \frac{1}{10}$
 - $\frac{3}{4} - \frac{2}{3} = \frac{1}{12}$
 - $\frac{3}{4} - \frac{2}{10} = \frac{11}{20}$

Multiply the following Fractions

1) $\frac{2}{4} \times \frac{2}{3} = \frac{1}{3}$

2) $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$

3) $\frac{1}{5} \times \frac{2}{4} = \frac{1}{10}$

4) $\frac{4}{10} \times \frac{1}{5} = \frac{2}{25}$

5) $\frac{2}{3} \times \frac{2}{5} = \frac{4}{15}$

Divide the following Fractions

1) $\frac{3}{4} \div \frac{3}{5} = 1\frac{1}{4}$

2) $\frac{9}{10} \div \frac{2}{5} = 2\frac{1}{4}$

3) $\frac{1}{5} \div \frac{1}{2} = \frac{2}{5}$

4) $\frac{2}{4} \div \frac{1}{3} = 1\frac{1}{2}$

5) $\frac{6}{10} \div \frac{3}{5} = 1$

Compare the following Fractions (use <, > or = in each box)

1) $\frac{4}{5} \boxed{=} \frac{4}{5}$

2) $\frac{5}{6} \boxed{>} \frac{4}{5}$

3) $\frac{2}{3} \boxed{>} \frac{2}{4}$

4) $\frac{10}{11} \boxed{>} \frac{1}{7}$

5) $\frac{1}{8} \boxed{<} \frac{3}{11}$

6) $\frac{7}{11} \boxed{>} \frac{5}{9}$

7) $\frac{3}{7} \boxed{<} \frac{10}{12}$

8) $\frac{7}{10} \boxed{<} \frac{5}{6}$

9) $\frac{3}{4} \boxed{<} \frac{8}{10}$

10) $\frac{2}{9} \boxed{<} \frac{2}{3}$

Fraction of Quantity and Fraction of Missing Quantity

1) Find $\frac{6}{8}$ of 96 = 72

2) Find $\frac{1}{5}$ of 55 = 11

3) Find $\frac{2}{10}$ of 180 = 36

4) Find $\frac{2}{3}$ of 60 = 40

5) Find $\frac{6}{10}$ of 300 = 180

6) 9 is $\frac{1}{3}$ of what number? 27

7) 16 is $\frac{2}{3}$ of what number? 24

8) 40 is $\frac{2}{4}$ of what number? 80

9) 8 is $\frac{2}{3}$ of what number? 12

10) 32 is $\frac{2}{4}$ of what number? 64

Problem Solving

- 1 John has already lent $\frac{3}{5}$ of his book collections, that is ~~two~~ books, to his classmates. How many books did he have in the beginning?



FIVE

5

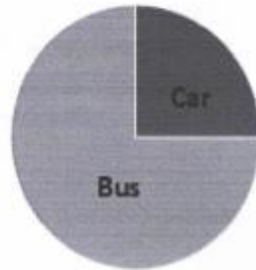
The pie chart represents how kids travel to Newton Primary School. 36 children travel by bus.

- 2 How many kids are there in Newton Primary School ?

~~36~~ 48

- 3 How many kids travel by car?

~~36~~ 12



- 4 During the Covid-19 outbreak, $\frac{1}{8}$ of the school called in sick. If 24 kids called in sick, how many kids went to school?

Wording could be better

~~192~~ 192

$$\frac{1}{8} \text{ of } \boxed{?} = 192$$



- 5 Joe spent $\frac{2}{3}$ of his pocket money on a new bike. If he spent £84, how much pocket money did he have in the beginning ?

£126



Odd One Out

- 1) c
- 2) a
- 3) d
- 4) d
- 5) e
- 6) d
- 7) b
- 8) e
- 9) c
- 10) d

Elite Maths

- 1) 0.92
- 2) $\frac{3}{8}, \frac{1}{2}$
 $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}$
- 3) 6
- 4) $-\frac{2}{5}$
- 5) $\frac{1}{12}$
- 6) $\frac{8}{9}$
- 7) $\frac{5}{6}$
- 8) $\frac{4}{5}$
- 9) 40
- 10) 4.2

Similarities

- 1) e
- 2) b
- 3) d
- 4) e
- 5) b
- 6) b

Kent 11+ odd 2 out

Eagle	<u>Mouse</u>	Sparrow	Raven	<u>Rat</u>
Green	<u>Table</u>	Yellow	<u>Chair</u>	White
Doctor	<u>Driver</u>	<u>Teacher</u>	Nurse	Dentist
Lorry	<u>Helicopter</u>	Taxi	Bus	<u>Plane</u>
Apple	<u>Cauliflower</u>	<u>Carrot</u>	Orange	Plum
Oak	Pine	<u>Copper</u>	Ash	<u>Brass</u>
Lane	<u>Stream</u>	Street	Road	<u>Canal</u>
Pansy	Dahlia	<u>Glass</u>	<u>Vase</u>	Rose
Cousin	<u>Friend</u>	Sister	<u>Helper</u>	Mother
<u>Steep</u>	Level	Flat	<u>Sheer</u>	Smooth
<u>Strain</u>	Wobble	Wiggle	Falter	<u>Stress</u>
<u>Watch</u>	Scamper	<u>Listen</u>	Scuttle	Hasten
Watch	<u>Clock</u>	Stare	Gaze	<u>Guard</u>
Arid	Bare	<u>Damp</u>	Barren	<u>Moist</u>