

2022 Homework 1 Answers

Vocab 1	Antibacterial Soap	Cloze	CLOZE
1) M	1) C 2) B 3) D 4) A	1) flakes	1) noble
2) D	5) C 6) D	2) engaged	2) seven
3) N	Mount Roraima	3) ebony	3) mane
4) B	1) b	4) haughty	4) willingly
5) F	2) c	5) more	5) retreat
6) G	3) c	6) envy	6) belongs
7) L	4) a	7) increased	7) appetite
8) K	5) a	8) maiden	8) crush
9) C	6) b		9) driven
10) H			10) although
11) A			11) den
12) I			12) longer
13) J			13) roaming
14) E			14) scarcely

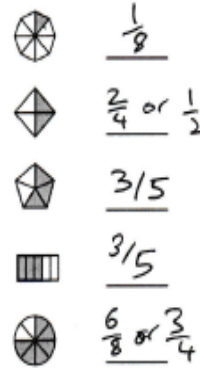
Shuffle	Kent 11Plus English																												
	1. We arrived at the <u>campsite</u> at <u>dusk</u> . 2. <u>Jenny</u> built a <u>fire</u> to cook a <u>stew</u> . 3. <u>John</u> gathered wild <u>blackberries</u> for <u>dessert</u> . 4. <u>Rachel</u> gathered extra <u>firewood</u> . 5. <u>Tom</u> and <u>Larry</u> set up the <u>tent</u> . 6. We roasted <u>marshmallows</u> on <u>sticks</u> . 7. When the <u>stars</u> came out, we went to <u>bed</u> .																												
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The knight had known since his childhood that he would one day have to go into battle. He had grown up in luxury having the best of everything. Unfortunately, his luck had run out and he was called into battle. The young knight used his ability to fight for freedom. He never showed fear. Because of his bravery in battle, the young knight was awarded a special medal. Being awarded the medal was a memory that would stick with him forever. The young knight did not waste his talent, he spent his life teaching others to be just as brave as he had been.

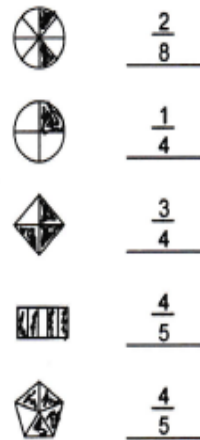
Every Friday nite, our family goes out to eat a special meal. We take turns picking a restaurant. This week, I get to choose where we eat. I picked George's Stake House because they're French fries are the best in town. My brother and I ordered a bacon cheesburger with fries. My dad ordered the steak salad, and my mom ordered three cod fillets. We topped off our meal with desert. We all ordered their famous chocolate cake with homemade ice cream.

1. ad add
2. aid aide
3. Isle aisle
4. bald bawled
5. aunt ant

What is the Fraction of the Shaded Area?



Shade the Figure with the Indicated Fraction



Equivalent Fractions

$$\frac{3}{4} = \frac{18}{24}$$

$$\frac{4}{6} = \frac{20}{30}$$

$$\frac{1}{2} = \frac{4}{8}$$

$$\frac{2}{6} = \frac{6}{18}$$

$$\frac{1}{4} = \frac{6}{24}$$

Lowest Terms (Reducing Fractions)

$$\frac{6}{12} = \frac{1}{2}$$

$$\frac{10}{20} = \frac{1}{2}$$

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

$$\frac{20}{50} = \frac{2}{5}$$

$$\frac{20}{100} = \frac{1}{5}$$

$$\frac{2}{6} = \frac{1}{3}$$

$$\frac{40}{50} = \frac{4}{5}$$

$$\frac{5}{20} = \frac{1}{4}$$

$$\frac{21}{35} = \frac{3}{5}$$

$$\frac{9}{12} = \frac{3}{4}$$

Converting Improper to Mixed Fractions

$$\frac{10}{4} = 2\frac{2}{4} \text{ or } 2\frac{1}{2}$$

$$\frac{64}{10} = 6\frac{4}{10} = 6\frac{2}{5}$$

$$\frac{11}{2} = 5\frac{1}{2}$$

$$\frac{11}{2} = 5\frac{1}{2}$$

$$\frac{22}{4} = 5\frac{2}{4} \text{ or } 5\frac{1}{2}$$

$$\frac{29}{4} = 7\frac{1}{4}$$

$$\frac{12}{5} = 2\frac{2}{5}$$

$$\frac{17}{3} = 5\frac{2}{3}$$

Converting Mixed to Improper Fractions

$$6\frac{3}{4} = \frac{27}{4}$$

$$9\frac{2}{3} = \frac{29}{3}$$

$$9\frac{2}{5} = \frac{47}{5}$$

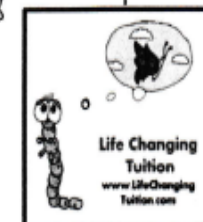
$$8\frac{1}{2} = \frac{17}{2}$$

$$7\frac{1}{2} = \frac{15}{2}$$

$$9\frac{2}{3} = \frac{29}{3}$$

$$9\frac{2}{5} = \frac{47}{5}$$

$$6\frac{3}{10} = \frac{63}{10}$$



Adding Simple Fractions

$$\frac{2}{8} + \frac{2}{8} = \frac{4}{8} = \frac{1}{2}$$

$$\frac{5}{11} + \frac{5}{11} = \frac{10}{11}$$

$$\frac{1}{12} + \frac{8}{12} = \frac{9}{12} = \frac{3}{4}$$

$$\frac{1}{6} + \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$$



$$1) \quad \frac{1}{3} + \frac{4}{5} = \frac{12}{15}$$

$$\frac{1}{3} = \frac{5}{15} \quad \frac{4}{5} = \frac{12}{15}$$

$$\frac{5}{15} + \frac{12}{15} = \frac{17}{15} = 1\frac{2}{15}$$

$$2) \quad \frac{1}{2} + \frac{3}{5} = 1\frac{1}{10}$$

$$\frac{1}{2} = \frac{5}{10} \quad \frac{3}{5} = \frac{6}{10}$$

$$3) \quad \frac{5}{10} + \frac{1}{2} = 1$$

$$\frac{5}{10} = \frac{5}{10} \quad \frac{5}{10} + \frac{5}{10} = \frac{10}{10} = 1$$

Subtracting Simple Fractions

$$\frac{5}{10} - \frac{1}{10} = \frac{4}{10}$$

$$\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$$

$$\frac{5}{9} - \frac{2}{9} = \frac{3}{9} = \frac{1}{3}$$

$$\frac{3}{10} - \frac{1}{10} = \frac{2}{10} = \frac{1}{5}$$

$$1) \quad \frac{2}{5} - \frac{1}{3} = \frac{1}{15}$$

$$\frac{2}{5} = \frac{6}{15}$$

$$\frac{1}{3} = \frac{2}{6}$$

$$2) \quad \frac{4}{5} - \frac{3}{4} = \frac{1}{20}$$

$$\frac{4}{5} = \frac{16}{20} \quad \frac{3}{4} = \frac{15}{20}$$

$$\frac{16}{20} - \frac{15}{20} = \frac{1}{20}$$

$$3) \quad \frac{1}{2} - \frac{2}{5} = \frac{1}{10}$$

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

$$\frac{5}{10} - \frac{4}{10} = \frac{1}{10}$$

Multiplying Fractions

$$1) \quad \frac{1}{2} \times \frac{8}{10} = \frac{4}{10} = \frac{2}{5}$$

$$2) \quad \frac{9}{10} \times \frac{2}{5} = \frac{9}{25}$$

$$3) \quad \frac{2}{4} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$$

$$4) \quad \frac{1}{4} \times \frac{7}{10} = \frac{7}{40}$$

Dividing Fractions

$$1) \quad \frac{5}{10} \div \frac{4}{5} = \frac{5}{8}$$

$$\frac{5}{10} \times \frac{5}{4} = \frac{5}{8}$$

$$2) \quad \frac{1}{5} \div \frac{2}{3} = \frac{3}{10}$$

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

$$3) \quad \frac{3}{4} \div \frac{6}{10} = 2\frac{1}{2}$$

$$\frac{3}{4} \times \frac{10}{6} = \frac{5}{2} = 2\frac{1}{2}$$

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

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

Comparing Fractions

$$1) \quad \frac{1}{6} < \frac{1}{3}$$

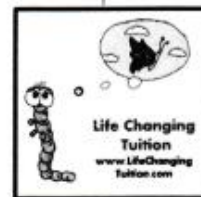
$$\downarrow \frac{1}{6} < \frac{2}{6} \downarrow$$

$$2) \quad \frac{6}{10} < \frac{5}{7}$$

$$\frac{42}{70} < \frac{50}{70}$$

$$3) \quad \frac{1}{3} < \frac{1}{2}$$

$$\frac{2}{6} < \frac{3}{6}$$



Fraction of Quantity and Missing Quantity

$$\text{Find } \frac{2}{3} \text{ of } 36 = 24$$

$$36 \div 3 = 12 \rightarrow 12 \times 2 = 24$$

$$\text{Find } \frac{3}{5} \text{ of } 150 = 90$$

$$150 \div 5 = 30 \rightarrow 30 \times 3 = 90$$

$$\text{Find } \frac{3}{4} \text{ of } 48 = 36$$

$$48 \div 4 = 12 \rightarrow 12 \times 3 = 36$$

$$32 \text{ is } \frac{4}{5} \text{ of what number? } 75$$

$$\div \frac{4}{5} \text{ of } \square = 32$$

$$45 \text{ is } \frac{3}{5} \text{ of what number? } 27$$

$$\div \frac{3}{5} \text{ of } \square = 45 \quad 45 \div 3 = 15 \rightarrow 15 \times 3 = 45$$

$$32 \text{ is } \frac{2}{10} \text{ of what number? } 160$$

$$\div \frac{2}{10} \text{ of } \square = 32$$

$$32 \div 2 = 16 \rightarrow 16 \times 10 = 160$$

Elite Maths Fractions

- 1) 6 and 1/2
- 2) 4 5/12
- 3) 5/12
- 4) 22 1/6
- 5) 9/16
- 6) 6
- 7) 8/9
- 8) 1/2

NVR 1

1. C -
2. D -
3. D -
4. B -
5. E -
6. A -

NVR 2

1. C -
2. C -
3. D -
4. B -
5. D -
6. A -

NVR 3

1. E -
2. A -
3. D -
4. B -
5. C -
6. D -

NVR 4

1. E
2. A
3. C
4. D
5. D
6. B

Kent 11+ VR

- | | |
|-----------------|-----------------|
| SPRIN(T)RAIN | ROAS(T)REND |
| CRO(P)INT | CAR(P)OST |
| SOLV(E)NTER | PAST(E)LECT |
| PRES(S)TAND | WIND(S)TAIN |
| TOW(N)EST | YAR(N)OSE |
| PAR(K)NOT | YAN(K)EEP |
| FORU(M)ANOR | CREA(M)OIST |
| BEAC(H)OLLY | TORC(H)OVER |
| HAMPE(R)OTATE | WELDE(R)EMOVE |
| FAULT(Y)ELLOW | DAINT(Y)ACHTS |
| SCAR(F)OUND | BLUF(F)LINT |
| BLUN(T)ABLE | TWIS(T)IRED |
| AMEN(D)ROWN | ARME(D)RIVE |
| BEAMIN(G)AMBLER | ABUSIN(G)ARMENT |