

Q1: Select the work that correctly represents $\frac{3}{5} + \frac{4}{7}$.

A

$$= \left(\frac{3 \times 5}{5 \times 5}\right) + \left(\frac{4 \times 7}{7 \times 7}\right)$$

$$= \frac{15}{25} + \frac{28}{49}$$

$$= \frac{43}{74}$$

B

$$= \left(\frac{3 + 4}{5 + 7}\right)$$

$$= \frac{7}{12}$$

C

$$= \left(\frac{3 \times 7}{5 \times 7}\right) + \left(\frac{4 \times 5}{7 \times 5}\right)$$

$$= \frac{21}{35} + \frac{20}{35}$$

$$= \frac{41}{35}$$

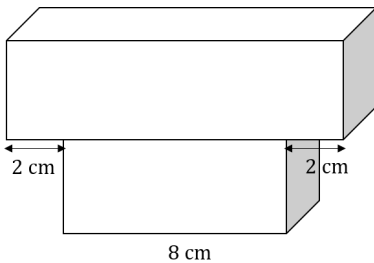
D

$$= \left(\frac{3}{5 \times 7}\right) + \left(\frac{4}{7 \times 5}\right)$$

$$= \frac{3}{35} + \frac{4}{35}$$

$$= \frac{7}{35}$$

Q2: Two rectangular prisms are stacked as shown. The width of each prism is 5 cm, and the height of each prism is 3 cm. What is the total volume of the two prisms? Use paper to show your work. Enter your answer in the box.



The total volume is cubic centimeters.

Q3: Solve. Use paper to show your work. Enter your answer in the box.

$$\frac{3}{4} - \frac{2}{5} = \boxed{}$$

Q4: Solve. Use paper to show your work. Enter your answer in the box.

$$4\frac{5}{6} - 2\frac{1}{2} = \boxed{}$$

Q5: Determine if the value of each expression is greater than 1 or less than 1. Select from the drop-down lists to complete the table.

Expression	Value
$\frac{2}{3} + \frac{1}{2}$	<input type="text" value="a"/>
$\frac{1}{2} + \frac{1}{4}$	<input type="text" value="b"/>
$\frac{3}{6} + \frac{2}{3}$	<input type="text" value="c"/>
$\frac{2}{8} + \frac{3}{8}$	<input type="text" value="d"/>
$\frac{2}{4} + \frac{1}{3}$	<input type="text" value="e"/>

a. Greater than 1
 Less than 1

b. Greater than 1
 Less than 1

c. Greater than 1
 Less than 1

d. Greater than 1
 Less than 1

e. Greater than 1
 Less than 1

Q6: Mike and Andy are each reading the same book. Mike read $\frac{2}{4}$ of the book on Tuesday and $\frac{1}{3}$ of the book on Wednesday. Andy read $\frac{1}{2}$ of the book on Tuesday and $\frac{1}{5}$ of the book on Wednesday. Andy says that altogether he read more of the book on Tuesday and Wednesday than Mike. Is Andy correct?

Select from the drop-down list to complete the sentence. Explain your answer by typing in the box.

Andy is .

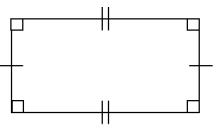
Explanation

- a. correct
 incorrect

Q7: The Miller family must drive 8 hours to reach their destination. They drive $3\frac{2}{3}$ hours before stopping for the first time. Then they drive $2\frac{3}{5}$ hours before stopping again. How many more hours will it take the Miller family to reach their destination? Use paper to show your work. Enter your answer in the box.

It will take the Miller family more hours to reach their destination.

Q8: Consider the attributes of the shape shown. Select the three choices that correctly name the shape.



A Parallelogram

B Rhombus

C Rectangle

D Trapezoid

E Kite

Q9: Add. Use paper to show your work. Enter your answer in the box.

$$11\frac{5}{8} + 9\frac{1}{2} = \boxed{}$$

Q10: Determine if each statement is true or false. Select your answers from the drop-down lists.

Statement	True or False?
a. All parallelograms are quadrilaterals.	<input type="text" value="a"/>
b. All rhombuses are squares.	<input type="text" value="b"/>
c. All rectangles are trapezoids.	<input type="text" value="c"/>
d. Squares are always parallelograms.	<input type="text" value="d"/>
e. Kites cannot be rhombuses.	<input type="text" value="e"/>

a. True
 False

b. True
 False

c. True
 False

d. True
 False

e. True
 False

Q11: The model can be used to solve 6×3.27 . Select the partial products from the drop-down lists. Enter the sum of the partial products in the box.

	3 ones	2 tenths	7 hundredths
6	6×3 ones	6×2 tenths	6×7 hundredths

$$\boxed{\text{a}} + \boxed{\text{b}} + \boxed{\text{c}} = \boxed{}$$

a. 0.18
 1.8
 18

b. 0.12
 1.2
 12

c. 0.42
 4.2
 42

Q12: Solve. Use a piece of paper to show your work. Then enter your answer in the box.

$$2\frac{3}{5} + 4\frac{2}{3} = \boxed{}$$
