

Ratio and Proportion Worksheet

① The ratio $\frac{12}{7}$ is proportionate to

a) $\frac{2}{7}$

b) $\frac{36}{21}$

c) $\frac{31}{26}$

d) $\frac{21}{36}$

② The ratio $\frac{4}{10}$ is proportionate to

a) both $\frac{2}{5}$ and $\frac{8}{20}$

b) both $\frac{8}{10}$ and $\frac{2}{10}$

③ The ratio $\frac{3}{9}$ is proportionate to

a) both $\frac{5}{3}$ and $\frac{15}{18}$

b) both $\frac{5}{15}$ and $\frac{1}{3}$

④ The ratio $\frac{4}{21}$ is proportionate to

a) $\frac{2}{11}$

b) $\frac{16}{84}$

c) $\frac{8}{42}$

d) $\frac{16}{42}$

⑤ Complete the given proportionality tables.

a)

x	2	8	_____	6
y	20	_____	70	60

b)

x	1	5	_____	3
y	2	_____	18	_____

c)

x	_____	18	_____	3
y	2	_____	4	_____

d)

x	_____	12	14	_____
y	90	_____	_____	75

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Answers

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a) $\frac{2}{11}$

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c) $\frac{8}{42}$

d) $\frac{16}{42}$

⑤ Complete the given proportionality tables.

a)

x	2	8	<u>7</u>	6
y	20	<u>80</u>	70	60

b)

x	1	5	<u>9</u>	3
y	2	<u>10</u>	18	<u>6</u>

c)

x	<u>6</u>	18	<u>12</u>	3
y	2	<u>6</u>	4	<u>1</u>

d)

x	<u>18</u>	12	14	<u>15</u>
y	90	<u>60</u>	<u>70</u>	75