

Name:

| Pet | er | spe | ent | 2 3 | of | an | ho | ur | for | 5 c | lay | s p | еp | arir | ng f | for | his | fin | nal y | /ea | r M | lath | nem | nat | ics | exa | am |
|-----|-----|-------|-----|-----|------|------|-----|------|------|-----|------|-----|-----|------|------|-----|-----|-----|-------|-----|-----|------|-----|-----|----------|-----|----|
| Jer | ry, | his | br | oth | er | spe | ent | 4 | 0 | ar | h | ur | for | 4 0 | day | s p | rep | ari | ng | for | th | e s | am | ее | xan | ns. | W |
| spe | ent | mo | ore | tim | ne i | ore | pai | ring | g fo | r h | is e | xaı | ns? |) | | | | | | | | | | | | | |
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| Mr. | W | illia | ms | ha | rve | ests | 3 | k k | g c | f a | lgc | es | ror | n h | is f | arn | n e | ver | y d | ay. | Нс |)W | mai | ny | gra | ms | 0 |
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Class:



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| Name: | Class: |
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| Multiply fractions by whole num | bers: word problems |
| | |
| Peter spent $\frac{2}{3}$ of an hour for 5 days preparing f | or his final year Mathematics exam |
| Jerry, his brother spent $\frac{3}{4}$ of an hour for 4 days | s preparing for the same exams. W |
| spent more time preparing for his exams? | |
| Let's first of all write down the information given. | |
| Time Peter spent preparing for the exams each day = $\frac{2}{3}$ | of an hour. |
| Number of days Peter used in preparing for the exams = ! | |
| So total time he spent preparing for the exams for 5 days | $5 = (\frac{2}{3} \times 5) = \frac{10}{3} = 3\frac{1}{3}$ hours |
| Time Peter spent preparing for the exams each day = $\frac{3}{4}$ | of an hour. |
| Number of days Peter used in preparing for the exams = | |
| So total time he spent preparing for the exams for 5 days | $6 = \left(\frac{3}{4} \times 4\right) = \frac{12}{4} = 3 \text{ hours}$ |
| Now, let's compare to find out who spent more time in pr | reparing for the exams. |
| You see that, $3\frac{1}{3}$ hours > 3 hours | |
| So, Peter spent more time preparing for the exams than | Jerry. |
| | |
| | |
| Mr. Williams harvests $\frac{3}{4}$ kg of apples from his fa | arm every day. How many grams of |
| apples will he harvest in 3 weeks? Simplify your | answer. |
| | |
| Let's first of all write down the information given. | |
| Quantity of apples he harvested in a day = $\frac{3}{4}$ kg | |
| Time given = 3 weeks | |
| But we know that 1 week = 7 days | |
| So 3 weeks = (3 x 7) days = 21 days | |
| So, quantity of apples he will harvest in 3 weeks = $(\frac{3}{4}x)$ | 21) $kg = \frac{63}{4} kg$ |
| But we know that 1 kg = 1000g | |
| So $\frac{63}{4}$ = $(1000 \times \frac{63}{4})$ g = $\frac{1000 \times 63}{4}$ = 15,750 grams | |
| Therefore, Mr. Williams will harvest 15,750 grams of apple | es in 3 weeks. |
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