

Grade 6 math PAT practice: Part A

NAME	DATE	TIME	SCORE / 15
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No calculator. Answer every question. If an answer is between 0 and 1, write the 0 before the decimal point, as in 0.25.

1 402 ÷ 25 = ?	2 0.45 × 54 = ?
3 What is −6 ?	4 What is the opposite of 19?
5 $\frac{59}{60} + \frac{5}{12} = ?$	6 Fill in the box: 4:8 = 10:⬜
7 Which sign goes in the box? −12 ⬜ −1 ☐ < ☐ >	8 Write 4 × 4 × 4 × 4 × 4 × 4 as a power.
9 Fill in the box: 15:20 = 3:⬜	10 What is 10% of 9.5?
11 $\frac{1}{10} + \frac{3}{5} = ?$	12 Ivy pays \$48 for 4 books. What is the unit rate, in dollars per book? ☐ \$48 per book ☐ 12 books per dollar ☐ \$12 per book ☐ \$192 per book
13 Two numbers are written as products of primes: 2² × 3³ and 2 × 3 × 5². Write all the common factors of the two numbers, from least to greatest.	14 A class needs \$500 for a trip. It raised \$89.45 at a bake sale, \$89.25 at a car wash and \$35.70 at a book sale. How much more money does the class need, in dollars?
15 Which statement about the ratios 3:4 and 12:16 is true? ☐ Not equivalent: the second ratio has bigger numbers ☐ Not equivalent: 9 is added to one and 12 to the other ☐ Equivalent: 9 is added to both numbers ☐ Equivalent: both numbers are multiplied by 4	

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1	16.08	2	24.3	3	6
4	-19	5	$1\frac{2}{5}$	6	20
7	<	8	4^6	9	4
10	0.95	11	$\frac{7}{10}$	12	\$12 per book
13	1, 2, 3, 6	14	285.60	15	Equivalent: both numbers are multiplied by 4