

MISS-FIT FACTOR

Purpose: Students will decipher math equations by identifying the process used and any missing factors or divisors within the equation (answers 1-12)

Suggested Grade Level: 3 – 5

Math SOL Computation and Estimation 3.5, 4.4, 5.4

Equipment/Materials Needed:

1. Pencil and worksheet - per person or per pair
2. Fit Spots (may be obtained from http://www.imaginationsport.com/fit_spots.html) or other marker with physical activities
3. Clipboards (optional for outside)

Advance Preparation:

1. Spread Fit Spots/markers around playing area with a number at each spot to designate location. These should be number 1-12 (2 spots will have 2 numbers since there are only 10 Fit spots)
2. Print out worksheets.

Directions:

1. Divided students into pairs; give each pair a worksheet and a pencil.
2. Read directions, or have students read.
3. Assign pairs of students to begin their work at a designated number on the worksheet so all students are not going to the answer for number 1 at the same time.
4. When students have the answer, instruct them to go to the Fit Spot/Marker labeled with their answer and do a set number or a set time frame (teacher based) of that activity.
5. Instruct students to move on to the next problem, solve it, and repeat step 4. If a pair of students is assigned number 8 to begin their work, they will then move on to problem number 9.
6. Continue until students have completed all problems on the worksheet.
7. Review answers as a class.
8. If time, have students choose a Fit Spot at the end to do for a one minute time frame.

Teaching Suggestions:

1. Teacher may need to demonstrate activities on the spots.
2. Explain to students that it is not a race or competition.
3. Assign groups to start on worksheet at different numbers so everyone is not at the same Fit Spot at the same time.
4. Remind students to move to equation number 1 after they complete number 12.

Modifications/Variations:

1. Create your own sheet using addition or subtraction, or numbers over 12.
2. Have students complete a problem, wait for others to complete and send students to their correct Fit Spot all at once. Start and stop the activity with a whistle or bell.
3. Have students complete the number of exercises that their answer was – ex. 4 windmills, 8 sit ups, etc.
4. Instead of Fit spots, write out your own exercises onto pieces of paper.

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Williamsburg Community
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MISS-FIT FACTOR WORKSHEET

NAME _____

NAME _____

Directions: You will be assigned a starting problem number. Begin at that number. Solve by circling the proper process (x or \div) and then fill in the missing factor, divisor or answer. After solving, look for the Fit Spot with the number that is the same as your answer. Go to that Fit spot and participate in the exercise 10 times(or hold for 10 seconds). Move on to the next number equation and repeat. When you finish number 12 go to question number 1. Continue until you have completed all equations.

1. ___ x or \div 5 = 60

2. 8 x or \div ___ = 56

3. 18 x or \div 6 = ___

4. 20 x or \div 5 = ___

5. 7 x or \div ___ = 7

6. 24 x or \div ___ = 12

7. 36 x or \div 6 = ___

8. 9 x or \div ___ = 72

9. 54 x or \div ___ = 6

10. 40 x or \div ___ = 4

11. 22 x or \div 2 = ___

12. 9 x or \div ___ = 45

MISS-FIT FACTORS (KEY)

1. $12 \times 5 = 60$

2. $8 \times 7 = 56$

3. $18 \div 6 = 3$

4. $20 \div 5 = 4$

5. $7 \div 1 = 7$

6. $24 \div 2 = 12$

7. $36 \div 6 = 6$

8. $9 \times 8 = 72$

9. $54 \div 9 = 6$

10. $40 \div 10 = 4$

11. $22 \div 2 = 11$

12. $9 \times 5 = 45$